



UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
POSTAL SERVICE CENTER BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

AirStaO 8000.1
Ord
9 Mar 05

AIR STATION ORDER 8000.1

From: Commanding General, Marine Corps Air Station, Cherry Point
To: Distribution List

Subj: HAZARDS OF ELECTROMAGNETIC RADIATION TO ORDNANCE (HERO)
EMISSIONS CONTROL (EMCON) BILL

Ref: (a) NAVSWC Dahlgren VA HERO Assessment of MCAS CPNC of
Jan 2003
(b) NAVSEA OP 3565/NAVAIR 16-1-529, Volume II
(c) ASO 2070.3G

Encl: (1) General HERO Requirements
(2) MCAS Cherry Point Ordnance Operation Areas and
Transportation Routes
(3) MCAS Cherry Point HERO Summary
(4) MCAS Cherry Point HERO EMCON Procedures
(5) MCAS Cherry Point Communications and Radar Transmitters
(6) HERO Warning Label and Warning Sign
(7) Station Call List for HERO EMCON
(8) MCALF Bogue Zone Description
(9) MCALF Bogue Zone Illustration
(10) MCALF Bogue HERO Summary
(11) MCALF Bogue HERO EMCON Procedures
(12) MCALF Bogue Communications and Radar Transmitters
(13) MCOLF Atlantic Zone Description
(14) MCOLF Atlantic Zone Illustration
(15) MCOLF Atlantic HERO Summary
(16) MCOLF Atlantic HERO EMCON Procedures
(17) MCOLF Atlantic Antenna and Transmitter Systems
(18) Ordnance Listing

1. Situation. To promulgate policy and procedures for safe handling, transportation, and stowage of ordnance with regard to HERO aboard MCAS Cherry Point. Reference (a) is the Station's current HERO assessment report. The information contained in enclosures (1) through (6) are provided in reference (a).

2. Cancellation. AirStaO 5100.19A.

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3. Mission. This Order is applicable anytime HERO SUSCEPTIBLE or HERO UNSAFE ORDNANCE is handled, loaded, or transported at all Station ordnance locations.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. To provide specific guidance germane to the antenna/transmitter systems aboard MCAS Cherry Point in order to mitigate the concern for HERO. Reference (a) contains the HERO EMCON procedures tailored specifically for MCAS Cherry Point.

(2) Concept of Operations. As described in reference (b), Electromagnetic Radiation (EMR) hazards stem from the functional characteristics of electrically initiated ordnance, and are a result of absorption of electromagnetic energy by the firing circuitry of Electrically Initiated Devices (EID's). The induced energy can cause heating of the bridge wire and primary explosive, and can result in premature, unintended actuation of the EID. Such an event can pose either a safety or reliability problem. In general, ordnance is most susceptible to Radio-Frequency (RF) Electromagnetic Environments (EME's) during assembly, disassembly, handling, loading, and unloading. There are three classifications pertinent to HERO: HERO SAFE ORDNANCE, HERO SUSCEPTIBLE ORDNANCE, and HERO UNSAFE ORDNANCE. Therefore, HERO EMCON and ordnance handling restrictions and procedures form a compromise that allows for the safe handling of ordnance within the existing EME. EMCON is derived from an analysis of the EME's produced by the existing antenna/transmitter systems and the ordnance susceptibilities described in reference (b), or through a HERO survey. The following paragraphs describe the categories of ordnance.

(a) HERO SAFE ORDNANCE. Items that require no EME restrictions beyond the general HERO requirements described in paragraph 5-3 of reference (b).

(b) HERO SUSCEPTIBLE ORDNANCE. Items that are susceptible and require moderate EME restrictions.

(c) HERO UNSAFE ORDNANCE. Items that are extremely susceptible and require severe EME restrictions.

b. Tasks

(1) Commanding Officers/Officers-in-Charge and Department Heads/Special Staff Assistants

(a) Ensure that all operators of antenna/transmitter systems and ordnance handling personnel comply with this Order.

(b) Ensure that personnel operating antenna/transmitter systems are properly instructed in their use during HERO EMCON conditions as outlined in enclosures (1) through (18).

(c) Notify the Frequency Manager, the HERO Officer, and the Explosive Safety Officer (ESO) prior to installing and using new radiating electronic equipment. This will include temporary installation and use of tactical communications equipment used for training and other operations.

(d) Promulgate supplementary instructions pertaining to their own equipment, personnel, and operating procedures as required by this Order.

(2) Station Ordnance Officer

(a) The Station Ordnance Officer is the point-of-contact (POC) for determination of compliance with the appropriate references as it relates to all forms of ordnance handled. As such, he will provide the ESO and Frequency Manager with all ordnance facility (or handling location) changes.

(b) Ensure that all Station Ordnance personnel are familiar with HERO restrictions applicable to ordnance operations.

(c) Be familiar with ordnance items that are categorized as HERO SUSCEPTIBLE or HERO UNSAFE ORDNANCE so the HERO issues can be mitigated to ensure both safety and reliability.

(d) Ensure that HERO warning signs prohibiting RF transmissions are at the entrance to magazine area and ordnance handling or storage areas. Enclosure (6) illustrates a recommended HERO warning sign.

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(3) HERO Officer

(9) The Station Ordnance Officer will assume the duties of HERO Officer.

(b) Be responsible for a continuing program to ensure HERO safety.

© Convene an annual conference of ordnance and Radiation Hazard (RADHAZ) personnel who are representative of each unit or organization to discuss and recommend changes to these instructions.

(d) Review RADHAZ requirements and request HERO surveys when required.

(4) Explosive Safety Officer (ESO)

(9) The ESO is the central POC for determination of compliance with the appropriate references as it relates to all forms of ordnance safety. As such, he/she will assist the Station Ordnance Officer in tracking and monitoring all future ordnance facility (or handling location) changes.

(b) The ESO will act as a HERO liaison with the HERO Officer and Frequency Manager to track and monitor all future antenna/transmitter system and ordnance changes. The liaison will monitor the HERO program to ensure compliance and accounting of all command and tenant information as presented in enclosures (2) and (5) concerning ordnance operations and antenna/transmitter systems present.

© The ESO will assist the HERO Officer and Frequency Manager in ensuring future antenna/transmitter system changes are submitted for HERO review.

(d) Concur with recommendations from the Frequency Manager on all new or modified antenna/transmitter system installations and frequency coordination.

(5) Frequency Manager

(9) The Frequency Manager shall be responsible for the analysis of planned alternations to the existing

antenna/transmitter system configurations and shall advise the CO on the HERO EMCON impact before executing the plan.

(b) Ensure that all mobile and portable radios are affixed with HERO warning labels to identify safe separation distances prior to issue.

(c) Approve/disapprove all new or modified antenna/transmitter system installations and frequency coordination and submit for site approval as outlined in references (b) and (c).

(d) Inform the Station Ordnance Officer, ESO, HERO Officer, and the Safety Department when stationary transmitters/antenna systems are relocated or new equipment is obtained. These changes should be submitted for HERO review.

(e) Provide familiarization material to Pass and ID that explains procedures and proper use of citizens band, other mobile or handheld transmitters, and cellular telephones as they relate to HERO. This familiarization material will be provided to all military personnel, contractors, and visitors during check-in process.

(f) Approve/disapprove any request to operate amateur radio and General Mobile Radio Service (GMRS) equipment per reference (c).

(6) Airfield Operations Department

(a) Designate a member of the Airfield Operations Department as the Command RADHAZ Control Officer.

(b) Maintain desktop procedures for setting and securing HERO EMCON conditions.

(c) Airfield Operations Duty Officer

1 When requested, set and secure HERO EMCON conditions.

2 Ensure all aircraft are notified of applicable HERO conditions.

3 Maintain liaison with tenant commands to resolve any conflicts in setting HERO EMCON conditions.

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(7) Safety Department/ESO. Act as a review authority to ensure compliance with applicable ordnance safety directives and HERO procedures.

(8) Pass and ID. Shall be responsible for notifying all military personnel, contractors, and visitors who have handheld transmitting devices, mobile transmitters in their personal vehicles, and cellular phones on the procedures and proper use of such devices as they relate to HERO.

(9) Fire Department. In the event of an ordnance accident or incident, shall act as on-scene commander until such time as the situation has been resolved (i.e., EOD responds and the item is rendered safe, or the item is determined safe to transport).

(10) Tenant Commands and Activities

(a) Shall be responsible for notifying the ODO, and ESO of any operation involving HERO SUSCEPTIBLE ORDNANCE or HERO UNSAFE ORDNANCE that would require the setting of a HERO Condition.

(b) Shall be responsible for ensuring HERO UNSAFE ORDNANCE is completely enclosed in sealed, all-metal containers during storage and during transfer between designated safe areas.

(c) Routine/normal requests for setting HERO EMCON conditions will be submitted to the ODO a minimum of 24 hours in advance of desired HERO EMCON period.

(d) Emergency requests for setting HERO EMCON conditions will be submitted immediately to the ODO at 466-2233/4334.

(e) Place HERO warning signs prohibiting RF transmissions at the entrance to operating rooms or adjacent to aircraft operations where Electro Explosive Device's (EED's) are handled outside of protective packing. Enclosure (6) illustrates a recommended HERO warning sign.

(f) The Unit ODO will be responsible for notifying the appropriate personnel (listed in enclosure (7)) of the setting of a HERO condition. In addition, the ODO will receive reports that the ordered HERO condition is set.

c. Coordinating Instructions. To ensure ordnance safety, precautions must be taken to limit EME's in and around ordnance handling areas. Enclosure (1) contains standard HERO precautions and chapter 5 of reference (b) provides HERO requirements during ordnance operations.

(1) When ordnance is being assembled, handled, or transported, emissions from various mobile and portable antenna/transmitter systems should be silenced or the HERO UNSAFE and HERO SUSCEPTIBLE ORDNANCE safe separation distances provided in enclosure (5) or chapter 2 of references (a) and (b) should be maintained.

(2) HERO UNSAFE or HERO SUSCEPTIBLE ORDNANCE cannot be moved, transported, or loaded except as specified by the Weapons Officer, ESO, and the HERO Officer. Enclosures (3), (4), (7), (8), (10), (11), (13), (15) and (16) provide specific HERO EMCON guidance.

(3) Other conditions necessitating deviations from the requirements outlined in reference (a) shall be reported to Naval Ordnance Safety and Security Activity (NOSSA), N716, per reference (b).

(4) The ODO will be responsible for notifying the appropriate personnel (listed in enclosure (7)) of the setting of a HERO Condition after normal working hours. In addition, the ODO will receive reports that the ordered HERO Condition is set and report to the HERO Officer.

(5) Officers and supervisors shall be responsible for notifying each operator of a government vehicle containing a mobile transmitter that the transmitter is not to be energized within the safe separation distances provided in enclosures (5), (12) and (17) or chapter 2 of reference (a). Transport all EED's in sealed, all-metal containers.

(6) Each civilian employee, military person, or dependent having an amateur radio transmitter or GMRS transmitter is responsible for its registration with the Station Frequency Manager. (Note: Registration does not authorize use). One copy of the registration form shall be kept in the vehicle or on the person with the radio at all times. The second copy will remain on file at the Frequency Management Office. Privately owned radio

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transmitters of any type to include cell phones shall not be operated in any restricted area denoted by a HERO WARNING SIGN, or in other parts of the station while in sight of a vehicle that exhibits an explosive placard as outlined in reference (c).

(7) Authorized mobile and portable transmitters and cell phones utilized in explosive handling areas denoted by a HERO WARNING SIGN shall be conspicuously marked (at the operator's location) with the appropriate distance taken from enclosure (1) and identified with a HERO WARNING LABEL. The Explosive Safety Officer/Frequency Manager will provide cautionary decals.

(8) Commands, contractors, and their representatives will coordinate frequency assignment matters through the Station Frequency Manager, building 164, telephone 466-5841.

d. Personnel and Training Requirements. The use of communications equipment around ordnance is a serious and a complex issue. Variables such as operating frequency, transmitter output power, and antenna gain must be known in order to compute the separation requirements from EED's that are frequently exposed during daily operations on MCAS flight lines, combat aircraft loading areas, ordnance assembly, and magazine storage areas. The required separation distance is a variable that must be computed for each transmitter with specific distances established based on the susceptibility of the EED identified as HERO SAFE, HERO SUSCEPTIBLE, HERO UNRELIABLE, or HERO UNSAFE.

(1) Due to the diversity of portable transmitting devices utilized aboard the installation and the variables of computations for each one it is not practical to assign separation distances to each communication device. For this reason the Command has established and endorsed the following guidance for all portable hand held communications equipment to include cell phones.

(a) HERO Warning Symbols. Warning symbols shall be posted at any location where radar equipment or other possible sources of electromagnetic radiation might create the potential for premature initiation of ordnance due to HERO.

(b) HERO Warning Labels. Warning labels are to be affixed to all portable and mobile radios and cell phones which are utilized in the vicinity of EED'S on the flight line, combat aircraft loading area, ordnance handling and storage areas. No

transmission will occur within 20 feet to HERO SUSCEPTIBLE ORDNANCE and 75 feet to HERO UNSAFE ORDNANCE. In the unlikely event of an accident involving transportation of ordnance, response personnel will prohibit radio transmissions within 75 feet of the scene.

1 An example of an RF warning label is shown in figure 1-4 of NAVSEA OP 3565. Table 1-1 of NAVSEA OP 3565 provides stock numbers, descriptions, source, and cost of HERO warning symbols and labels. The preferred HERO warning label is 5104/1 (4-98) 0016-LF-115-0500 as specific distance requirements of 20 feet to HERO SUSCEPTIBLE ORDNANCE and 75 feet to HERO UNSAFE ORDNANCE is printed. These distances provide adequate safeguards to prevent exposure of EED's. The alternate HERO warning label is blank and requires the insertion of specific distance requirements that may not be available to the user without HERO testing of the transmitter.

2 All personnel engaged in operations involving ordnance shall be familiar with all phases of work, which they will be required to perform. In addition, they shall be made aware of the proper methods for performing tasks that will be in progress in their work area. Personnel shall be provided with instruction in the following:

a RF radiation and laser hazards as described in volume I of NAVSEA OP 3565.

b Identification of equipment and/or ordnance by markings.

c Placards, warning signs, and painted safety circles and HERO Zones.

d Selection and use of test equipment and proper test procedures.

e RF hazard sources.

f Characteristics of existing, modified, or new equipment and ordnance.

g Proper loading/unloading procedures for ordnance. Proper procedures for ordnance transfer ashore and at sea.

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h The functions of each individual engaged in the operation(s) to be performed.

© The proper use of the NAVSEA OP 3565 VOL II and the HERO EMCON Bill.

J Personnel shall be familiar with current HERO warning symbols and labels described in paragraph 1-5.3. of NAVSEA OP 3565.

K Personnel shall be provided with follow-up retraining sessions upon changes in personnel, ordnance, or equipment, and/or as directed by the CO.

(2) Procedures

2 Implement the following procedures to determine the appropriate HERO EMCON to set. Identify the HERO status of ordnance item(s) involved in the operation (Appendix B of reference (b)).

(b) For ordnance item(s) listed as HERO UNSAFE or HERO SUSCEPTIBLE.

1 Identify the HERO zone where the ordnance operation will occur (enclosures (2), (9), (13), and (14)).

2 Select the proper HERO Condition associated with the HERO zone and HERO classification (enclosures (3), (10) and (15)).

3 Apply the appropriate HERO EMCON procedures (enclosures (4), (11) and (16)).

© For ordnance items(s) listed as HERO SAFE, set HERO CONDITION 0 (enclosures (4), (11) and (16)).

1 Item(s) listed as "No HERO Req." requires no HERO EMCON.

2 For ordnance item(s) that are HERO SUSCEPTIBLE or HERO UNSAFE not listed in enclosure (18), see reference (b).

(d) The ODO will be notified 24 hours prior to routine implementation of a HERO Condition by the facility's ordnance personnel. The commencement time and automatic expiration time will require a minimum of 30 minutes notice by the using activity.

(e) In the event of an ordnance accident involving an ordnance carrier along the ordnance transportation route, the appropriate HERO UNSAFE ORDNANCE Condition (defined in enclosures (3), (4), (10), (11), (15) and (16)) will be set by the on-scene commander, ESO, HERO Officer, or CDO and will remain in effect until EOD personnel have completed a Render Safe Procedure (RSP) or determined that EMCON is no longer required (i.e., the ordnance is safe to transport).

(f) The on-scene commander, ESO, HERO Officer, or ODO will notify all ordnance accident-response units to maintain a minimum separation distance of 150 feet from the accident site when two or more transmitters are in use, and 75 feet when one transmitter is in use.

(g) EMERGENCY CONDITION

1 An EMERGENCY CONDITION exists when ordnance that contains EID's with unknown HERO characteristics, or ordnance known to be HERO UNSAFE, HERO SUSCEPTIBLE, or HERO SAFE ORDNANCE, has been involved in a mishap that causes the condition of the ordnance to be in question.

2 In the event of an EMERGENCY CONDITION, suspect ordnance will be classified as HERO UNSAFE ORDNANCE and the appropriate HERO Condition for the affected zone will be set as applicable per enclosures (3) through (17).

3 The HERO Officer or ODO will notify the appropriate personnel of the prescribed HERO Condition.

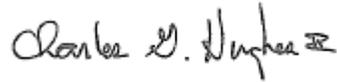
4 The ESO in conjunction with EOD personnel will determine when the suspect ordnance is HERO SAFE and control the power-up of antenna/transmitter systems.

5. Administration and Logistics. The CG, 2D MAW, CO's, NAVHOSP, NADEP and CSSD-21 concur with this Order in so far as it pertains to members of their command.

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6. Command and Signal

- a. Signal. This Order is effective the date signed.
- b. Command. This Order applies to the Marine Corps Reserve.



C. G. HUGHES II
Chief of Staff

DISTRIBUTION: MCAS A
2D MAW A

General HERO Requirements

1. The following requirements apply to all ordnance operations involving the presence, handling, and loading/unloading of ordnance. Additional data specified in NAVSEA OP 3565/ NAVAIR 16-1-529 will be complied with and take precedence if conflict exists.

a. Comply strictly with authorized ordnance loading manuals and checklists.

b. Plan ordnance operations so that the ordnance has a minimal exposure to the EME.

c. Do not alter ordnance systems (ordnance item, electrical cables, etc.) unless NOSSA and/or NAVAIRSYSCOM have been contacted to determine the HERO impact of such alterations.

2. Do not allow electrical contacts, electrodes (primer buttons), or connector pins to touch any object capable of conducting EM energy during handling and loading operations. Objects capable of conducting EM energy include aircraft, launchers, hoists, bomb carts, bomb racks, cartridge breeches and connectors, tools, personnel, other cartridges, and cartridge actuated devices (CAD's). Intentional contact with CAD primer buttons and connector pins that is not required to complete authorized handling and loading and/or unloading operations is prohibited.

3. Do not handle umbilical cables and cable connectors unnecessarily.

4. Do not make electrical connections to air-launched ordnance systems before the ordnance is racked to the aircraft unless:

a. Procedures have been specifically authorized in the checklist or loading manual.

b. The appropriate HERO CONDITION for HERO UNSAFE/HERO UNRELIABLE ORDNANCE contained in the current HERO survey have been implemented.

c. The HERO UNSAFE/HERO UNRELIABLE ORDNANCE safe separation distances provided in enclosure 5 and Table 2-3 of reference (b) are maintained between transmitting antennas and the ordnance operation.

ENCLOSURE (1)

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Electrical connections between aircraft and ordnance are the most paths for RF energy.

5. Transport all HERO UNSAFE/HERO UNRELIABLE ORDNANCE in sealed, all-metal containers whenever possible.
6. Cover all open electrical connectors on ordnance items with non-shortening caps to prevent accidental contact with the pins of these connectors. The caps should be removed just prior to connector mating and reinstalled promptly upon connector unmating.
7. Do not expose the ordnance item's internal wiring and firing circuits by assembling or disassembling the ordnance in an EME.
8. Test procedures that involve making electrical connections to the ordnance are permitted only if authorized by the loading manual or checklist.
9. No transmitter/antenna systems including handheld transceivers shall be present, installed, or used in magazines or ordnance assembly areas without approval of NOSSA.
10. Prior to aircraft ordnance operations loading/unloading, perform the following:
 - a. Silence all transmitters on the aircraft being loaded/unloaded with ordnance.
 - b. Silence transmitters on all other aircraft and vehicles or maintain the safe separation distances given in table 2-2 of reference (a) from the ordnance operation. Do not conduct maintenance or operational checks that could cause the aircraft transmitters to radiate; however, transmitters may operate into dummy loads.
11. When in-flight aircraft are carrying HERO UNSAFE/HERO UNRELIABLE ORDNANCE or HERO SUSCEPTIBLE ORDNANCE, maintain the safe separation distances provided in enclosure (5) and refer to table 2-2 of reference (a) for the transmitter/antenna systems, or silence the transmitter.
12. Maintain a minimum safe separation distance of 3 meters (10 feet) between transmitting antennas and all ordnance items

ENCLOSURE (1)

regardless of their HERO classification. The separation distance applies to the ordnance item itself or to any metal structure or object attached to the ordnance item, such as a gun mount, aircraft, or launcher. For HERO SUSCEPTIBLE and HERO UNSAFE ORDNANCE, greater distances may apply based on transmitter/antenna parameters (i.e., power, frequency, antenna gain). Refer to enclosure (5) and chapter 2 of reference (b). Table 5-1 of reference (a) provides exceptions to the minimum safe separation distance requirement of 3 meters (10 feet).

13. When transporting ordnance in a vehicle, the minimum safe separation distance requirements in Table 5-1 of reference (b) are applicable. Do not transport EID's, outside a sealed, all-metal container, in the cab of a vehicle containing a transmitter/antenna system. When ordnance systems are disassembled or when they have exposed EID's, firing circuits, or wiring, restrictions for HERO UNSAFE/HERO UNRELIABLE ORDNANCE apply. Refer to enclosure (5) and chapter 2 of reference (b) for safe separation distances from specific transmitters.

14. When transporting HERO SUSCEPTIBLE ORDNANCE, comply with the ordnance handling requirements listed in chapter 5 of reference (b).

15. Avoid touching any exposed firing contact, wiring, or other exposed circuitry with any part of the body or with any metallic object.

16. Observe the HERO separation distances listed in enclosure (5) for transmitters on aircraft.

17. Observe the HERO separation distances listed in enclosure (5) and chapter 2 of reference (b) for cellular telephones and mobile and portable radios, and affix HERO warning labels stating separation distances for HERO UNSAFE and HERO SUSCEPTIBLE ORDNANCE to units.

18. For transmitters and ordnance not specifically addressed in this order, see reference (b) for HERO guidance.

19. Prior to conducting geophysical surveys for unexploded ordnance using equipment with electromagnetic transmitting detection/location (ground-penetrating radar, ground conductivity meters, etc.) systems, contact NOSSA, N716, for HERO safety guidance.

ENCLOSURE (1)

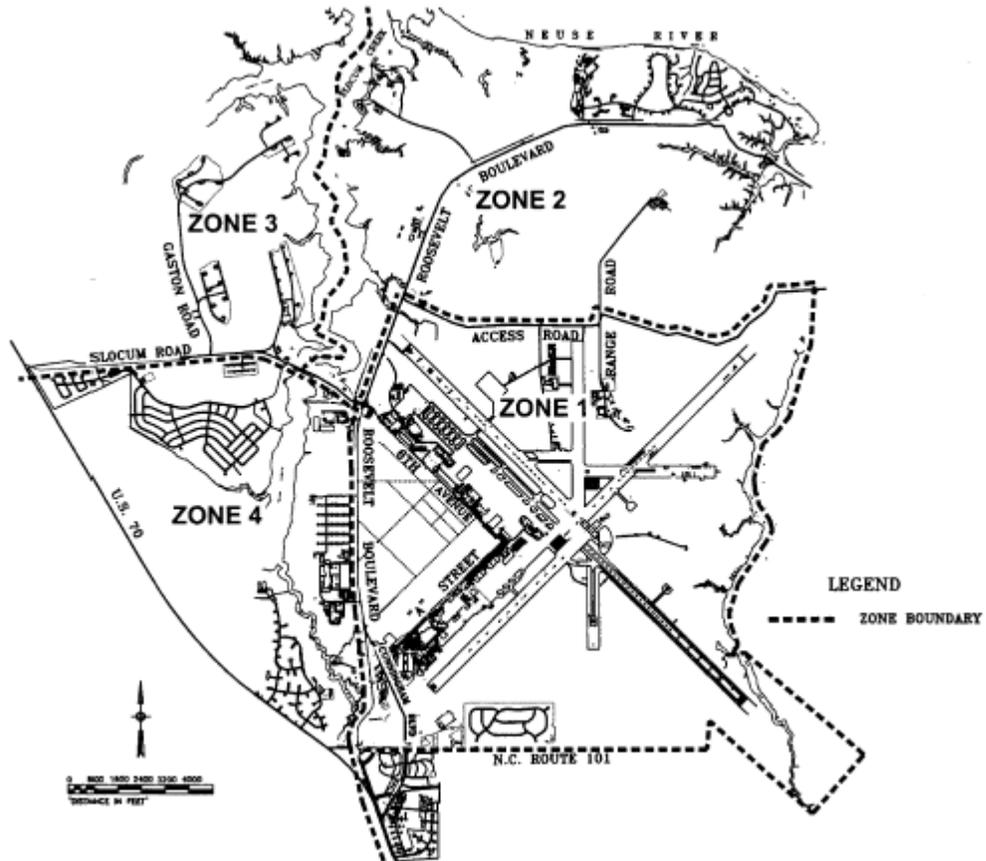
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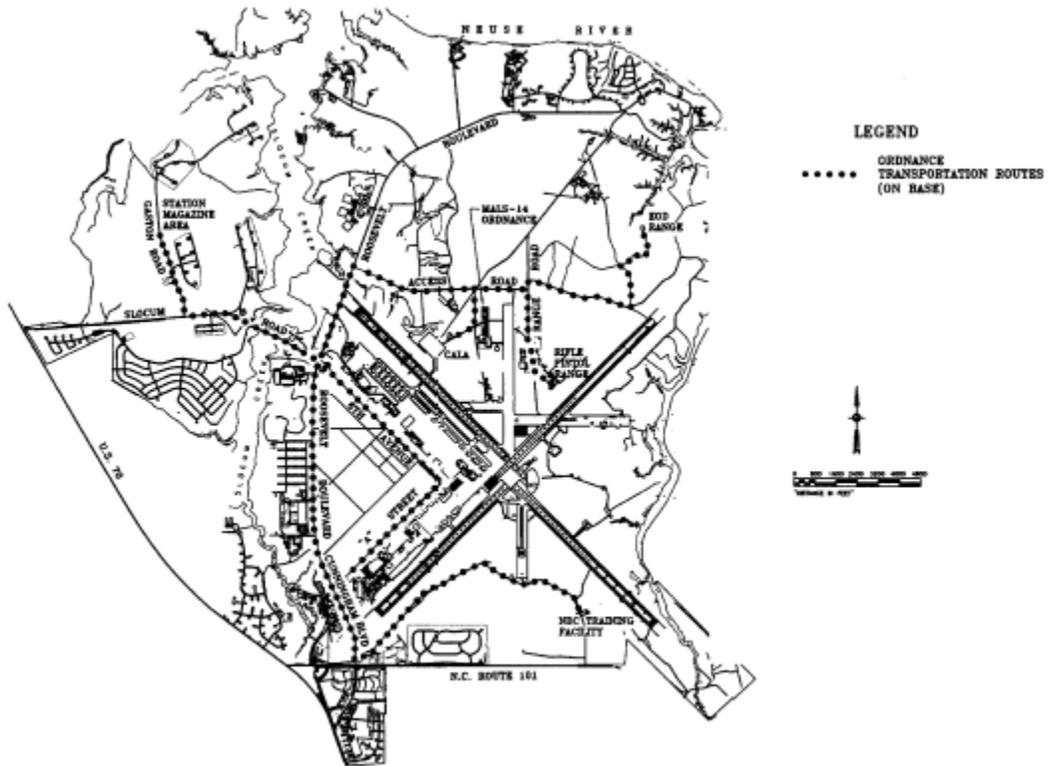
20. Ensure that ordnance accident response units (Fire, Ordnance, Explosive Ordnance Disposal, and Security personnel) maintain a minimum separation distance of 150 feet from the accident site when two or more mobile transmitters are in use, and 75 feet when one transmitter is in use.

ENCLOSURE (1)

MCAS Cherry Point
Ordnance Operation Areas and Transportation Routes

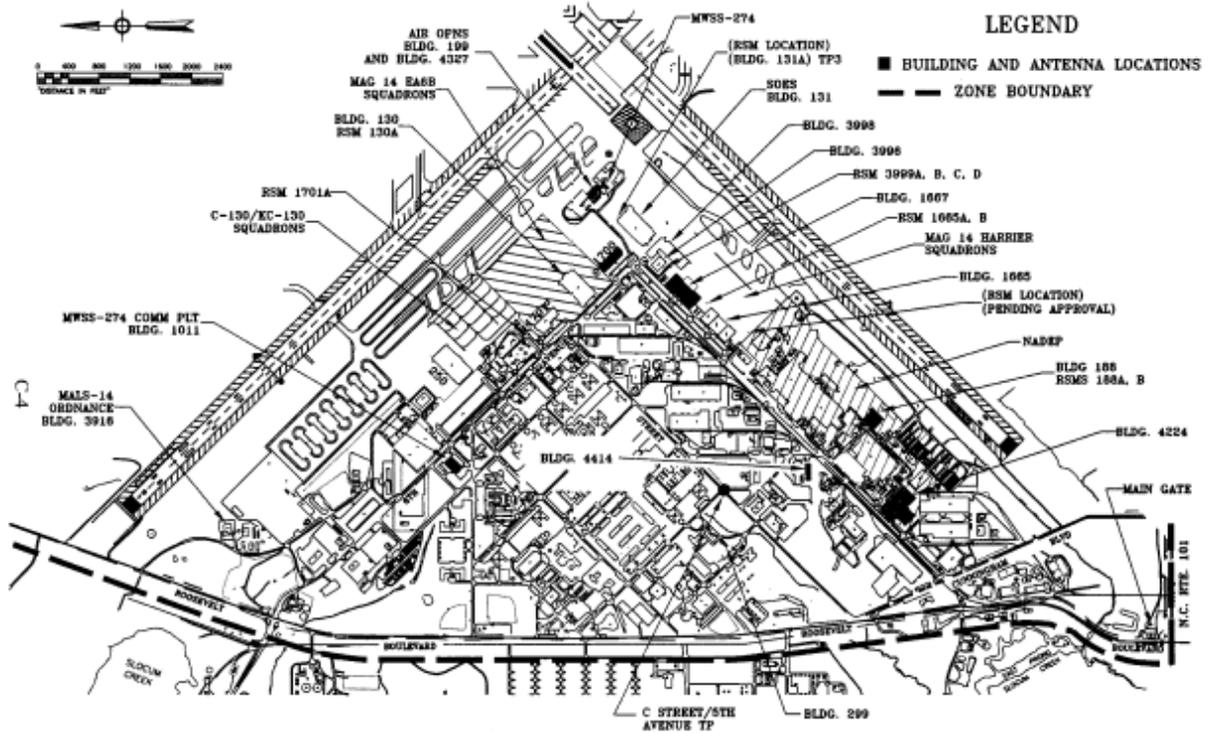


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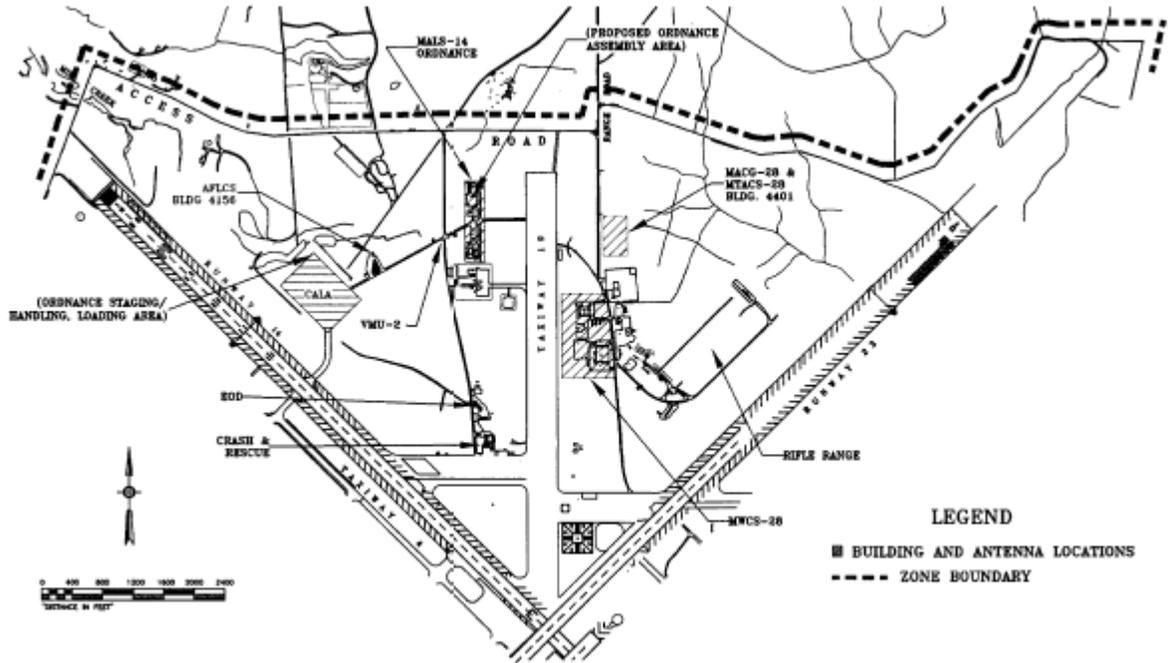
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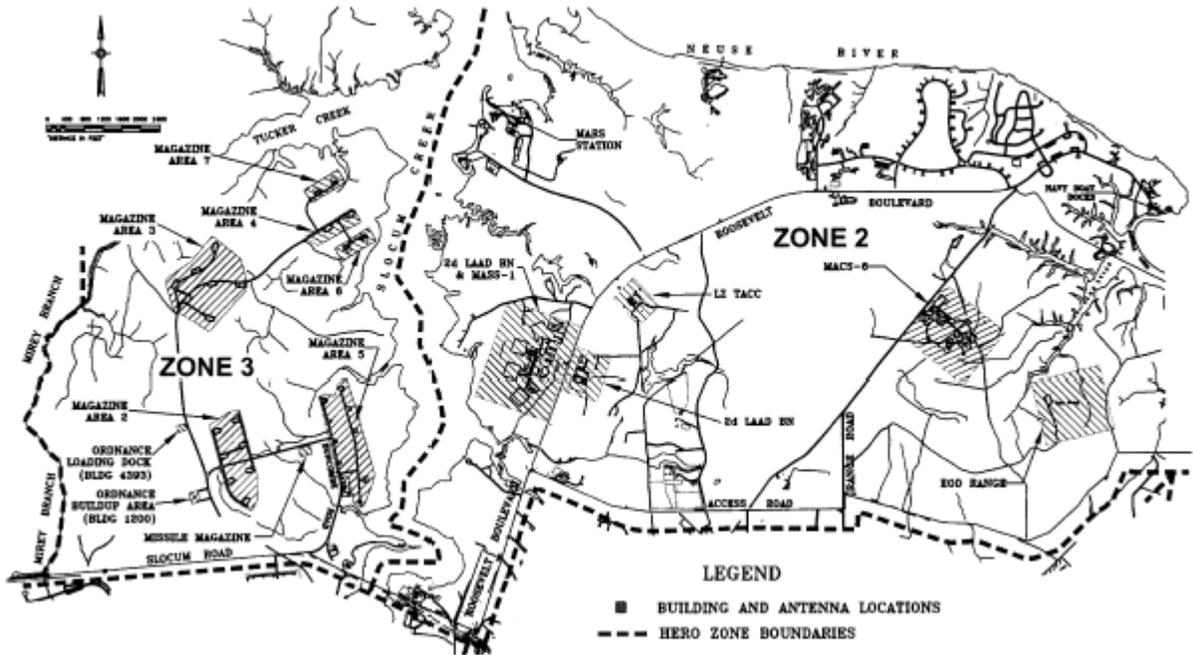
ENCLOSURE (2)

MCAS Cherry Point
Ordnance Operation Areas and Transportation Routes



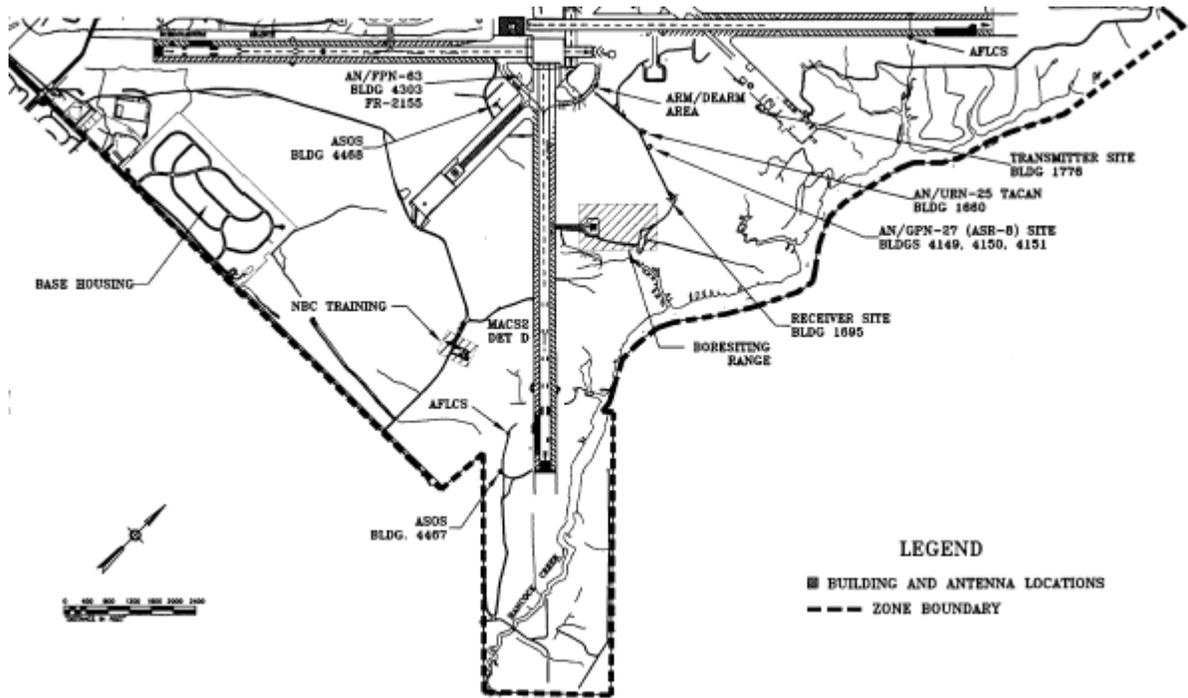
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MCAS Cherry Point
Ordnance Operation Areas and Transportation Routes



ENCLOSURE (2)

MCAS Cherry Point
Ordnance Operation Areas and Transportation Routes



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MCAS Cherry Point HERO Summary

<u>NALC</u>	<u>Ordnance</u>	<u>Situation/ Activity</u>	<u>Location</u>	<u>HERO CONDITION</u>
<u>General Applications</u>				
All	HERO SAFE ORDNANCE	Presence, handling, & loading	All locations	0
All	HERO UNSAFE ORDNANCE	Presence, handling, & loading	Zone 1 Zone 2 Zone 3 Zone 4	1 2 3 0
All	HERO SUSCEPTIBLE ORDNANCE	Presence, handling, & loading	Zone 1 Zone 2 Zone 3 Zone 4	4 5 6 0

ENCLOSURE (3)

MCAS Cherry Point HERO EMCON Procedures

HERO CONDITION 0

HERO EMCON is not required; all transmitters (as listed in enclosure (5)) may be operated. Observe the general HERO requirements outlined in chapter 5 of reference (b).

HERO CONDITION 1

This condition applies to HERO UNSAFE ORDNANCE in HERO zone 1.

- Silence all aircraft transmitters except VHF/UHF communications transmitters less than 20 watts or transmitter operating into dummy loads.
- Silence the MWSS-274 Weather, RT-7000 transmitter when HERO UNSAFE ORDNANCE is exposed within 1150 feet (presently located at a semi permanent site adjacent to Building 199).
- For in-flight aircraft carrying ordnance items directly exposed to the station's EME, observe the HERO UNSAFE ORDNANCE separation distances listed in enclosure (5) and chapter 2 of reference (b) for all stationary transmitters.
- Observe the HERO UNSAFE ORDNANCE separation distances listed in enclosure (5) and Chapter 2 of reference (b) for all mobile and portable transmitters.
- For an ordnance accident, emergency response units such as the Fire Department, Station Ordnance, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using three VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using three VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in enclosure (5) and chapter 2 of reference (b) for that specific mobile or portable unit.

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HERO CONDITION 2

This condition applies to HERO UNSAFE ORDNANCE in HERO zone 2.

- Observe the HERO UNSAFE ORDNANCE separation distances listed in enclosure (5) and chapter 2 of reference (b) for all mobile and portable transmitters.
- For an ordnance accident, emergency response units such as the Fire Department, Station Ordnance, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using three VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using three VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in enclosure (5) and chapter 2 of reference (b) for that specific mobile or portable unit.

HERO CONDITION 3

This condition applies to HERO UNSAFE ORDNANCE in HERO zone 3 (magazine area).

- Observe the HERO UNSAFE ORDNANCE separation distances listed in enclosure (5) and chapter 2 of reference (b) for all mobile and portable transmitters.
- For an ordnance accident, emergency response units such as the Fire Department, Station Ordnance, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using three VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using three VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in enclosure (5) and chapter 2 of reference (b) for that specific mobile or portable unit.

ENCLOSURE (4)

HERO CONDITION 4

This condition applies to HERO SUSCEPTIBLE ORDNANCE in HERO zone 1.

- Silence the MWSS-274 Weather, RT-7000 transmitter when HERO SUSEPTIBLE ORDNANCE is exposed within 115 feet of the antenna (presently located at a semi-permanent site adjacent to Building 199).
- Observe the HERO SUSCEPTIBLE ORDNANCE separation distances listed in enclosure (5) and chapter 2 of reference (b) for all mobile and portable transmitters.

HERO CONDITION 5

This condition applies to HERO SUSCEPTIBLE ORDNANCE in HERO zone 2.

- Observe the HERO SUSCEPTIBLE ORDNANCE separation distances listed in enclosure (5) and chapter 2 of reference (b) for all mobile and portable transmitters.

HERO CONDITION 6

This condition applies to HERO SUSCEPTIBLE ORDNANCE in HERO zone 3 (magazine area).

- Observe the HERO SUSCEPTIBLE ORDNANCE separation distances listed in enclosure (5) and chapter 2 of reference (b) for all mobile and portable transmitters.

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MCAS Cherry Point Communications and Radar Transmitters

Bldg. Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dbl)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power(watts)	Transmitter Type	HERO UNSAFE ORDNANCE (feet/meters)	HERO SUSCEPTIBLE ORDNANCE (feet/meters)
137-1	N/A	OMNI-DIRECTIONAL	6.0	2400 - 2500	0.1	BREEZECOM WIRELESS	10 / 3	10 / 3
137-2	N/A	OMNI-DIRECTIONAL	6.0	2400 - 2500	0.1	BREEZECOM WIRELESS	10 / 3	10 / 3
137-3	N/A	OMNI-DIRECTIONAL	6.0	2400 - 2500	0.1	BREEZECOM WIRELESS	10 / 3	10 / 3
144	N/A	UNIDIRECTIONAL	24.0	2400 - 2500	0.1	BREEZECOM WIRELESS	10 / 3	10 / 3
147	NAD-6282A	HELFLEX	2.1	136 - 174	5	MOT H43SV	25 / 8	10 / 3
147	NAD-6361	HELFLEX	2.1	136 - 174	5	MOT H33LC	25 / 8	10 / 3
147	N/A	STUB	0.9	146 - 174	4	MOT H33CG	18 / 6	10 / 3
147	N/A	WHIP	2.1	406	2	TEKLOGIX	10 / 3	10 / 3
147	N/A	YAGI	6.0	409	2	TEKLOGIX	10 / 3	10 / 3
164	TDD-6081A	DIPOLE	8.4	136 - 174	40	MOT L43JJ	147 / 45	31 / 10
164	TDD7070A	DIPOLE	7.1	136 - 174	100	MOT C73KR	200 / 61	43 / 13
164	DB-408	COLINEAR	9.9	406 - 512	40	MOT L99ZX	58 / 18	19 / 6
188	N/A	OMNI-DIRECTIONAL	6.0	2400 - 2500	0.1	BREEZECOM WIRELESS	10 / 3	10 / 3
193	N/A	WHIP	2.1	152 - 162	40	MOT	64 / 19	14 / 4
193	N/A	WHIP	2.1	152 - 162	40	MOT	64 / 19	14 / 4
199	DB-516	DIPOLE	7.4	136 - 174	110	MOT C73GS	217 / 66	46 / 14
199A	D-2217	DIPOLE	1.0	119 - 150	20	AN/URC-101	51 / 15	10 / 3
199A	AT-150/SRC	DIPOLE	2.1	225 - 400	20	AN/GRC-171	30 / 9	10 / 3
199A	D-2217	DIPOLE	1.0	225 - 400	20	AN/URC-101	27 / 8	10 / 3
299	N/A	WHIP	2.1	2 - 30	125	ICOM IC-765	128 / 391	128 / 39
299	N/A	DIPOLE	2.1	26 - 27	12	COBRA 2012 GLT	397 / 121	22 / 7
470	96165	DIPOLE	6.0	136 - 174	110	MOT C73GS	185 / 56	40 / 12
1016	N/A	OMNI-DIRECTIONAL	6.0	2400 - 2500	0.1	BREEZECOM WIRELESS	10 / 3	10 / 3
1641	CPR1126	PARABOLIC	46.5	8360	10	COL MW-518	148 / 45	105 / 32
1647	FABRICATED	BALANCED TEE	2.1	0.245	400	FA-9781 NDB	112 / 34	10 / 3
1660	AS-3240/URN	DIPOLE ARRAY	6.0	962 - 1215	400	AN/URN-25	77 / 23	38 / 12
1695	D-2218	DIPOLE ARRAY	1.0	225 - 400	20	AN/GRC-171	27 / 8	10 / 3
1776	D-2216	DIPOLE	1.0	116 - 150	50	AN/GRT-21	82 / 25	16 / 5
1776	D-2217	DIPOLE	1.0	225 - 400	50	AN/GRT-22	42 / 13	11 / 3
2000	N/A	WHIP	2.1	152 - 162	40	MOT	64 / 19	14 / 4
3886	D-2218	DIPOLE ARRAY	1.0	225 - 400	20	AN/GRC-171	27 / 8	10 / 3
3886	D-2218	DIPOLE ARRAY	1.0	225 - 400	25	AN/GRC-211	30 / 9	10 / 3
3886	TDE 6700	COLINEAR	8.1	406 - 420	110	MOT C74CX	79 / 24	26 / 8
3886	N/A	PARABOLIC	37.1	7750	1	LMC-408D	17 / 5	12 / 4
3886	N/A	PARABOLIC	37.1	8125	1	LMC-408D	16 / 5	12 / 4
4414	AT-1011/U	32-FOOT WHIP	2.1	3 - 30	400	AN/ARC-94	229 / 699	229 / 70
4414	AS-3191A	BLADE	18.0	30 - 88	15	AN/ARC-210	44 / 13	10 / 3
4414	AS-3191A	BLADE	-6.0	108 - 118	15	AN/ARC-210	22 / 7	10 / 3
4414	AS-3191A	BLADE	0.0	225 - 400	15	AN/ARC-210	21 / 6	10 / 3
4414	AS-3101A	BLADE	-18.0	30 - 88	15	AN/ARC-182	44 / 13	10 / 3
4414	AS-3191A	BLADE	-6.0	108 - 118	15	AN/ARC-182	22 / 7	10 / 3
4414	AS-3191A	BLADE	0.0	225 - 400	15	AN/ARC-182	21 / 6	10 / 3
4414	AT-741	BLADE	0.0	962 - 1213	500	AN/ARC-118	43 / 13	21 / 6
4150	FA-9344	PARABOLIC	33.5	2700 - 2900	875	AN/GPN-27	960 / 293	679 / 207
4224	N/A	OMNI-DIRECTIONAL	6.0	2400 - 2500	0.1	BREEZECOM WIRELESS	10 / 3	10 / 3
4303	AS-3161/UPN	PHASED ARRAY	39.7	9000 - 9160	79.2	AN/FPN-63 (MTI)	177 / 54	125 / 38

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Bldg. Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dbl)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	HERO UNSAFE ORDNANCE (feet/meters)	HERO SUSCEPTIBLE ORDNANCE (feet/meters)
4327	D-2216	DIPOLE	1.0	116 - 150	50	AN/GRT-21	83 / 25	16 / 5
4327	D-2296	DIPOLE	1.0	116 - 152	25	AN/GRC-211	58 / 18	12 / 4
4327	D-2217	DIPOLE	1.0	225 - 400	50	AN/GRT-22	42 / 13	11 / 3
4327	D-2295	DIPOLE	1.0	225- 400	20	AN/GRC-171	27 / 8	10 / 3
4327	95008-40010	DIPOLE	1.0	410 - 411	2	9600 R-NET	10 / 3	10 / 3
4467	AAI-ACU	CARDIROID	3.0	410	2	AAI-ASOS	10 / 3	10 / 3
4468	AAI-ACU	CARDIROID	3.0	410	2	AAI-ASOS	10 / 3	10 / 3
7027	D-2212	DIPOLE	1.0	116 - 152	25	AN/GRC-211	58 / 18	12 / 4
7027	D-2212	DIPOLE	1.0	225 - 400	20	AN/GRC-171	27 / 8	10 / 3
4470-1	N/A	OMNI-	6.0	2400 - 2500	0.1	BREEZECOM	10 / 3	10 / 3
		DIRECTIONAL				WIRELESS		
4470-2	N/A	OMNI-	6.0	2400 - 2500	0.1	BREEZECOM	10 / 3	10 / 3
		DIRECTIONAL				WIRELESS		
NAVHOSP	DB-222	DIPOLE	5.1	132 - 174	125	MOT C73CX	183 / 56	39 / 12
NAVHOSP	DB-404	DUAL DIPOLE	7.1	406 - 512	25	MOT L44ZX	33 / 10	11 / 3
		PROPOSED						
4303	N/A	PARABOLIC	29.0	9385 - 9445	30	FURUNO FR-2155	30 / 9	22 / 7
MWCS-28, SCR, DET A								
MOBILE	AS-3683	DIPOLE	2.1	30 - 88	4	AN/PRC-119	229 / 70	12 / 4
MOBILE	AS-3900	DIPOLE	1.0	30 - 88	50	AN/VRC-89	714 / 218	37 / 11
MOBILE	AS-3900	DIPOLE	1.0	30 - 88	50	AN/MRC-145	714 / 218	37 / 11
MOBILE	AT-1011/U	WHIP	2.1	2 - 30	400	AN/MRC-138	2292 / 699	229 / 70
MOBILE	AT-1011/U	WHIP	2.1	2 - 30	400	AN/GRC-193	2292 / 699	229 / 70
MOBILE	AT-271A	WHIP	2.1	2 - 30	20	AN/PRC-104	513 / 156	51 / 16
MOBILE	N/A	STUB	0.9	225 - 400	0.5	ICOM IC-4008M	10 / 3	10 / 3
MWCS-28, MUX, A COMPANY								
MOBILE	AS-3964	PARABOLIC	20	1350 - 1850	3	AN/MRC-142	24 / 7	13 / 4
MOBILE	OE-468/TRC	PARABOLIC	36.5	4400 - 5000	2000	AN/TRC-170	257 / 383	890 / 271
MWSS-274 WEATHER								
MOBILE	AT-1011	DIPOLE	2.1	2 - 30	100	RT-7000	1146 / 349	115 / 35
MOBILE	AS-3900A/VRC	DIPOLE	1	30 - 88	50	AN/VRC-90	714 / 218	37 / 11
MOBILE	MBY5	YAGI	7.0	42	250	MCC 520B	1011 / 308	135 / 41
MOBILE	MBY2	YAGI	4.0	42	100	MCC 545A	453 / 138	61 / 18
MOBILE	AS-390/SRC	COAXIAL STUB	2.1	200 - 400	50	AN/GRC-171	54 / 16	13 / 4
						(V)		
MOBILE	AS-3567	DIPOLE	2.1	225 - 400	18	AN/PSC-5	29 / 9	10 / 3
MOBILE	UNIT 3A2	PARABOLIC	37.5	5300 - 5700	250	AN/TPS-76	414 / 126	293 / 89
MOBILE	AS-3900	OMNI/WHIP	2.1	30 - 88	50	MRC-145	810 / 247	42 / 13
MOBILE	AT-1011	OMNI/WHIP	2.1	2 - 30	400	MRC-138	2292 / 699	329 / 70
MOBILE	AS-3683/4266	OMNI/WHIP	2.1	30 - 88	4	PRC-119	229 / 70	12 / 4
MOBILE	VHF/UHF	OMNI/WHIP	2.1	116 - 400	10	PRC-113	42 / 13	10 / 3
MOBILE	AT-271A/PRC	OMNI/WHIP	2.1	2 - 30	20	PRC-104	513 / 156	51 / 16
MOBILE	AS-3900	OMNI/WHIP	2.1	30 - 88	50	VRC-91	810 / 247	42 / 13
MOBILE	AS-3900	OMNI/WHIP	2.1	30 - 88	4	VRC-88	229 / 70	12 / 4
PCS		DISH/OMNI	2.1	4550	30	PCS	10 / 3	10 / 3
PCS		OMNI	2.1	420 - 450	7.5	PCS	10 / 3	10 / 3
TCO		DISH/OMNI	2.1	4550	30	TCO	10 / 3	10 / 3
TCO		OMNI	2.1	420 - 450	50	TCO	20 / 6	10 / 3
UAV		OMNI	2.1	4800 - 4900	30	NOT SUPPLIED	10 / 3	10 / 3

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Bldg. Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dbl)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	HERO UNSAFE ORDNANCE (feet/meters)	HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE AND PORTABLE RADIOS								
MOBILE	D-2219	DIPOLE	1	116 - 150	30	AN/VRC-83 (V)2	64 / 19	13 / 4
MOBILE	D-2219	DIPOLE	1	225 - 400	30	AN/VRC-83 (V)2	33 / 10	10 / 3
MOBILE	HT-20T	DIPOLE	2.1	2 - 30	500	AN/URC-97 (V)	2563 / 781	256 / 78
MOBILE	WS-25/W	WHIP	2.1	2 - 30	50	AN/URC-94 (V)	114 / 349	115 / 35
			2.1	30 - 80	50		810 / 247	42 / 13
MOBILE	N/A	BLADE	2.1	225 - 400	20	AN/ARC-51A	30 / 9	10 / 3
MOBILE	N/A	WHIP	2.1	132 - 150.8	2.2	AN/PRC-94(V)	17 / 5	10 / 3
MOBILE	AS-2447	WHIP	2.1	225 - 400	1	AN/PRC-75	10 / 3	10 / 3
MOBILE	N/A	WHIP	2.1	26.9 - 27.4	6	CITIZENS BAND RADIO	281 / 86	16 / 5
MOBILE	HELIFLEX	STUB	0.9	148 - 174	6	MOT SABER III	22 / 7	10 / 3
MOBILE	N/A	WHIP	2.1	136 - 174	50	MOT SPECTRA D43ZX	79 / 24	17 / 5
MOBILE	N/A	WHIP	2.1	136 - 162	25	MOT MAXTRAC D33MJ	56 / 17	12 / 4
MOBILE	N/A	WHIP	2.1	138 - 174	40	STD-GX-3000V	70 / 21	15 / 5
MOBILE	N/A	WHIP	2.1	138 - 174	35	AN/VRC-82	66 / 20	14 / 4
MOBILE	N/A	STUB	2.1	116 - 150	5	AN/URC-101	29 / 9	10 / 3
			2.1	225 - 400	20	AN/URC-101	30 / 9	10 / 3
MOBILE	N/A	WHIP	2.1	406 - 420	40	MOT ASTRO DIGITAL	24 / 7	10 / 3
MOBILE	N/A	WHIP	2.1	136 - 174	15	MOT D33CM	44 / 13	10 / 3
PORTABLE	N/A	STUB	0.9	136 - 174	5	MOT HO1KDH	22 / 7	10 / 3
PORTABLE	N/A	WHIP	2.1	136 - 151	4	GE PXHXX5	22 / 7	10 / 3
PORTABLE	N/A	STUB	0.9	136 - 174	4	GP-300	20 / 6	10 / 3
PORTABLE	N/A	STUB	1	136 - 174	5	(ICOM) IC-A4	22 / 7	10 / 3
PORTABLE	N/A	WHIP	0.9	406 - 420	3	MOT ASTRO DIGITAL HQRRDH	10 / 3	10 / 3
PORTABLE	N/A	STUB	1	136 - 174	5	KENWOOD TK-350(G)	22 / 7	10 / 3
PORTABLE	N/A	STUB	0.9	440 - 512	5	MOD H44SS	10 / 3	10 / 3
PORTABLE	N/A	STUB	2.1	136 - 174	40	MOT T43SR	71 / 22	15 / 5
PORTABLE	N/A	STUB	0.9	136 - 174	6	MOT SABER H43TU	24 / 7	10 / 1
PORTABLE	N/A	STUB	0.9	136 - 174	6	MOT H99QX	24 / 7	10 / 3
PORTABLE	N/A	STUB	0.9	136 - 158	5	STD C834L	22 / 7	10 / 3
PORTABLE	N/A	STUB	0.9	136 - 178	5	POLARIS MK20000XL	22 / 7	10 / 3
PORTALBE	N/A	DIPOLE STUB	3.1	824 - 880	3	CELLULAR TELEPHONE	10 / 3	10 / 3
PORTABLE	N/A	WHIP	2.1	26 - 28	6	CITIZENS BAND	281 / 86	16 / 5
HANDHELD	AN/PRC-148	TNC ANTENNA	0.9	30 - 512	5.0	AN/PRC-148 (FM OR AM)	89 / 27	22 / 7
HANDHELD	AN/PRC-148	TNC ANTENNA	0.9	30 - 512	3.0	AN/PRC-148 (FM)	69 / 21	17 / 5
HANDHELD	AN/PRC-148	TNC ANTENNA	0.9	30 - 512	1.0	AN/PRC-148 (FM OR AM)	40 / 12	10 / 3
HANDHELD	AN/PRC-148	TNC ANTENNA	0.9	30 - 512	0.5	AN/PRC-148 (FM)	28 / 9	10 / 3

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Bldg. Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dbl)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	HERO UNSAFE ORDNANCE (feet/meters)	HERO SUSCEPTIBLE ORDNANCE (feet/meters)	
HANDHELD	AN/PRC-148	TNC ANTENNA	0.9	30 - 512	0.1	AN/PRC-148 (FM)	13 / 4	10 / 3	
COMMS	N/A AS-3191/A	LONGWIRE	2.1	2 - 30	400	AN/ARC-94	2292 / 699	229 / 70	
		BLADE	2.1	30 - 88	15	AN/ARC-182 (V)	444 / 135	23 / 7	
			2.1	118 - 156	15		50 / 15	10 / 3	
			2.1	156 - 174	15		38 / 12	10 / 3	
			2.1	225 - 400	15		26 / 8	10 / 3	
TANSPON DER	AT-741/A	BLADE	2.6	1090	1.69	AN/APX-72	10 / 3	10 / 3	
TACAN	N/A	FLAT ARRAY	2.6	1025 - 1150	3.5	AN/ARN-118(V)	10 / 3	10 / 3	
ALTIMETER	N/A DMC-118-1	N/A	13.0	4290 - 4310	3	AN/APN-171(V)	10 / 3	10 / 3	
		BLADE	3.0	30 - 88	10	AN/ARC-186 (V)	402 / 123	21 / 6	
			3.0	108 - 152	10		50 / 15	10 / 3	
BEACON	N/A	AT-141A/ARC BLADE	2.1	225 - 400	20	AN/ARC-51A	30 / 9	10 / 3	
		STUB	4.0	8500 - 9600	8	AN/APN-154(V)	10 / 3	10 / 3	
EA-6B									
COMMS	939149-103 AS-3131/ARC	LONGWIRE	2.1	2 - 30	150	AN/ARC-199	1404 / 428	140 / 43	
		BLADE	2.1	30 - 88	15	AN/ARC-182 (V)	444 / 135	23 / 7	
			2.1	118 - 156	15		50 / 15	10 / 3	
			2.1	156 - 174	15		38 / 12	10 / 3	
			2.1	225 - 400	10		21 / 7	10 / 3	
JAMMER	N/A	BLADE	2.6	100 - 500	400	AN/USQ-113	324 / 99	61 / 19	
			2.6	100 - 500	125		181 / 55	34 / 10	
ELT	N/A	DIPOLE	2.1	243 - 283	0.5	AN/PRC-90	10 / 3	10 / 3	
TANSPON DER	AT-741B/A	BLADE	2.6	1090 -	1.69	AN/APX-72	10 / 3	10 / 3	
TACAN	AT-741B/A	BLADE	2.6	1025 - 1150	21.6	AN/ARN-84	11 / 3	10 / 3	
ALTIMETER	AS-2741/APN	HORN	10.5	4290 - 4310	0.6	AN/APN-194 (V)	10 / 3	10 / 3	
BEACON	N/A	ARRAY	6.0	8500 - 9600	8	AN/APN-154 (V)	10 / 3	10 / 3	
RADAR	AS-3440/APS	PARABOLIC	33.0	9375	45	AN/APS-130	59 / 18	42 / 13EA	
	N/A	CLASSIFIED	"	"	"	AN/ALQ-99	1089 / 332	180 / 55	
	N/A	CLASSIFIED	"	"	"	an/alq-126	59 / 18	39 / 12	
F/A-18									
COMMS	N/A	DIPOLE	2.1	30 - 88	15	ANARC-182 (V)	444 / 135	23 / 7	
			2.1	118 - 156	10		41 / 12	10 / 3	
			2.1	156 - 174	15		38 / 12	10 / 3	
			2.1	225 - 400	15		26 / 8	10 / 3	
TANSPON	AT-741B/A	BLADE	2.6	1090	3.38	AN/APX-100 (V)	10 / 3	10 / 3 DER	
ITACAN	AT-741B/A	BLADE	2.6	1025 - 1150	3.5	AN/ATN-118 (V)	10 / 3	10 / 3	
ALTIMETER	N/A	HORN	10.5	4290 - 4310	0.6	AN/APN-194 (V)	10 / 3	10 / 3	
BEACON	AS-2619/APN	SLOTTED WAVEGUIDE	6.0	8800 - 9500	500	AN/APN-202	10 / 3	10 / 3	
RADAR	AS-3254/APG	PLANAR ARRAY	34.0		CLASSIFIED	AN/APG-65	285 / 87	203 / 62	
		SLOTTED ARRAY	16.0	I-BAND	CLASSIFIED		36 / 11	26 / 8	

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Bldg. Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dbl)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power(watts)	Transmitter Type	HERO UNSAFE ORDNANCE (feet/meters)	HERO SUSCEPTIBLE ORDNANCE (feet/meters)
EA-6B								
RADAR	AS-3254/ APG	PLANAR ARRAY	34	X-BAND	CLASSIFIED	AN/APG-65	286 / 87	202 / 62
VHF-UHF	OMNI 50-7-4	BLADE	2.1	30 - 88	15	AN/ARC-182	444 / 135	23 / 7
			2.1	118 - 156	15		50 / 15	10 / 3
			2.1	156 - 174	15		38 / 12	10 / 3
			2.1	225 - 400	15		26 / 8	10 / 3
IFF	OMNI 50-7-4	BLADE	2.1	1090	3.38	AN/APX-100 (V)	10 / 3	10 / 3
ALTIMETER	AS-2728/ APN	HORN	10.5	4290 - 4310	0.6	AN/APN-194 (V)	10 / 3	10 / 3
BEACON	AS-3546/ APN	OMNI	6	8800 - 9500	8	AN/APN-202 (V)	10 / 3	10 / 3
TACAN	OMNI	BLADE	2.25	1025 - 1150	3.5	AN/ARN-118	10 / 3	10 / 3
QF-45								
IFF	IFF ANTENNA	L BAND	21.1	1070 - 1110	501	KY-532A/ASQ	439 / 134	227 / 69
TACAN	TACAN		22.1	1025 - 1150	1200	RT-799/ARN	797 / 243	404 / 12
	TACAN		22.1	1025 - 1150	1995	RT-1159/A	1027 / 313	521 / 159
COMMS	UHF COMM		-1.2	225 - 240	16	RT-793A/ASQ	19 / 6	10 / 3
	UHF COMM		0.6	240 - 400	16	RT-793A/ASQ	21 / 7	10 / 3
	UHF COMM		-1.2	225 - 240	10	AN/ARC-159(V)	15 / 4	10 / 3
	UHF COMM		0.6	240 - 400	10	AN/ARC-159(V)	17 / 5	10 / 3
COMMS		LONGWIRE	2.1	2 - 30	400	AN/ARC-94	229 / 699	229 / 70
OR			2.1	2 - 30	100	AN/ARC-174A (V)2	1146 / 349	115 / 35
	AS-3191/ ARC	DIPOLE	2.1	30 - 88	15	AN/ARC-182 (V)	444 / 135	23 / 7
			2.1	118 - 156	10		41 / 12	10 / 3
			2.1	156 - 174	15		38 / 12	10 / 3
			2.1	225 - 400	10		21 / 7	10 / 3
OR	AT-765/ ARC	BLADE	2.1	30 - 70	10	AN/ARC-54	362 / 111	19 / 6
OR	AS-1703/ ARC	MONPOLE	2.1	30 - 76	10	AN/ARC-131	362 / 111	19 / 6
			2.1	116 - 152	20	COLLINS	59 / 18	12 / 4
IFF	AT-234	STUB	2.1	1090	1.69	AN/APX-64(V)	10 / 3	10 / 3
OR	AS-133	STUB	2.1	1090	1.69	AN/APX-72	10 / 3	10 / 3
ALTIMETER	LG-81A1	FLUSHMOUNT	13.0	429 - 431	3	AN/APN-171(V)	10 / 3	10 / 3
TACAN	LB-147	STUB	2.1	962 - 1213	7.9	AN/ARN-52(V)	10 / 3	10 / 3
OR	AT-741B/A	BLADE	2.6	1025 - 1150	4.32	AN/ARN-118(V)	10 / 3	10 / 3
BEACON		OMINI	3.0	8500 - 9600	0.72	AN/APN-154(V)	10 / 3	10 / 3
C-130								
COMMS	N/A	LONGWIRE	2.1	2 - 30	400	AN/ARC-94	2292 / 699	229 / 70
	AS-3881/ ARC	BLADE	2.1	30 - 88	15	AN/ARC-182 (V)	444 / 135	23 / 7
			2.1	118 - 156	10		41 / 12	10 / 3
			2.1	156 - 174	15		38 / 12	10 / 3
			2.1	225 - 400	30		37 / 11	10 / 3
IFF	AT-741	BLADE	2.6	1090	3.38	AN/APX-100	10 / 3	10 / 3
TACAN	AT-741	BLADE	2.6	1025 - 1150	3.5	AN/ARN-118	10 / 3	10 / 3

ENCLOSURE (5)

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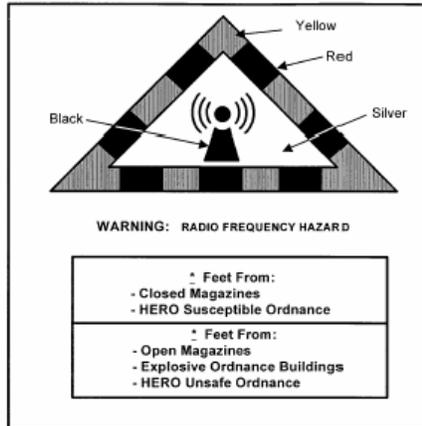
Bldg. Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dbl)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	HERO UNSAFE ORDNANCE (feet/meters)	HERO SUSCEPTIBLE ORDNANCE (feet/meters)
ALTIMETER	N/A	HORN	10.5	4290 - 4310	0.6	AN/APN-194(V)	10 / 3	10 / 3
BEACON	AS-2619	SLOTTED WAVEGUIDE	6.0	8800 - 9500	500	AN/APN-202	10 / 3	10 / 3
RADAR	AS-3254	PLANAR ARRAY	34.0	I-BAND	CLASSIFIED	AN/APG-65	285 / 87	203 / 62
		SLOTTED ARRAY	16.0	I-BAND	CLASSIFIED		36 / 11	26 / 8
C-9/C-12								
COMMS	N/A	TAILCONE	2.1	2 - 30	400	COLLINS 618T	2292 / 699	220 / 70
	N/A	N/A	2.1	2 - 30	100	COLLINS 718U-5	1146 / 329	115 / 35
	N/A	BLADE	2.6	118 - 136	25	COLLINS 618M-2B	69 / 21	14 / 4
37R2	BLADE		2.6	116 - 152	20	COLLINS 618M-2D ELT	62 / 19	13 / 4
N/A	DIPOLE		2.1	243 - 283	0.5	AN/PRC-90	10 / 3	10 / 3
IFF	VARIOUS	BLADE	2.6	1090	1.69	AN/APX-72	10 / 3	10 / 3
	237Z1	BLADE	3.0	1090	1.8	COLLINS TDR-90	10 / 3	10 / 3
TACAN	237Z1	BLADE	3.0	1025 - 1150	3.5	AN/ARN118(V)	10 / 3	10 / 3
WEAHTER	N/A	PHASED ARRAY	28.0	9315 - 9375	3.89	PRIMUS WX-800	10 / 3	10 / 3

ENCLOSURE (5)

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HERO Warning Label and Warning Sign

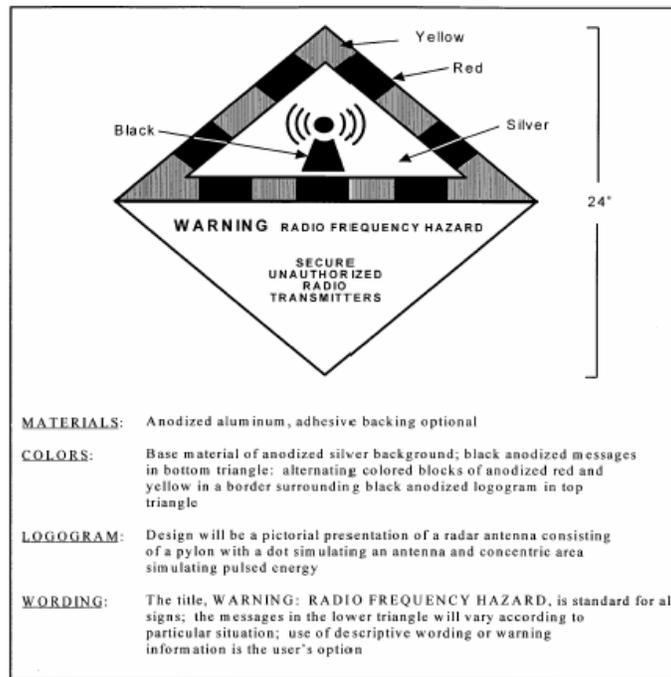
The HERO warning label shown below is to be affixed to mobile and portable communications radios/phones. This warning label alerts a radio/phone operator to a potential hazard if the radio is operated within the prescribed distances of ordnance operations.



HERO WARNING LABEL

ENCLOSURE (6)

The recommended HERO warning sign is shown below. It is placed along ordnance transportation routes at prescribed locations to ordnance operations to alert radio operators to a potential hazard when using radios past this point.



HERO WARNING SIGN

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Station Call List for HERO EMCON

HAZARDS OF ELECTROMAGNETIC RADIATION TO ORDNANCE EMISSIONS CONTROL
BILL (HERO EMCON)

Unit Setting/Cancel HERO EMCON _____
Date and Time of Request _____
Unit Point of Contact _____
HERO Condition Setting _____
Date and Time for HERO EMCON Setting _____

UNIT NOTIFIED (AIROPS)	DWH	AWH	FCVDBY/DATE
Tower	Tower Phone	Tower Phone	/
ATC Maintenance	466-5887	466-2650	/
RATCF (Radar)	Intercom 15	Intercom 15	/
EOD	466-3432		/
ARFF	466-2420	466-2420	/
VAL	466-3232	466-3232	/
MCABE Spectrum Manager	466-5841		/
2MAW Spectrum Manager	466-2835		/
MWCS-28	466-4480		/
MTACS-28	466-4844		/
MWSS-274	466-4273		/
MWSS 274 Weather	466-2717		/
VMU-2	466-4699		/
MASS-1	466-2954		/
MACS-2	466-5833		/
2ND LAAD	466-3036		/
MWSS-271	466-6675		/
NADEP	464-8445		/
VMGR-252	466-3800		/
VMGRT-253	466-6231		/
VMAQ-1	466-5308		/
VMAQ-2	466-6027		/
VMAQ-3	466-2201		/
VMAQ-4	466-4205		/
VMAT 203	466-3261		/
VMA-223	466-2158		/
VMA-231	466-4137		/
VMA-542	466-5008		/
VMR-1	466-5745		/

ENCLOSURE (7)

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<u>Notification</u>	<u>Ordnance</u>	<u>Situation/Activity</u>	<u>Location</u>	<u>Hero</u>
All	HERO Safe	Presence, handling, loading	All locations	0
All	Hero Unsafe	Presence, handling, loading	Zone 1	1
			Zone 2	2
			Zone 3	3
			Zone 4	0
All	HERO Susceptible	Presence, handling, loading	Zone 1	4
			Zone 2	5
			Zone 3	6
			Zone 4	0

ENCLOSURE (7)

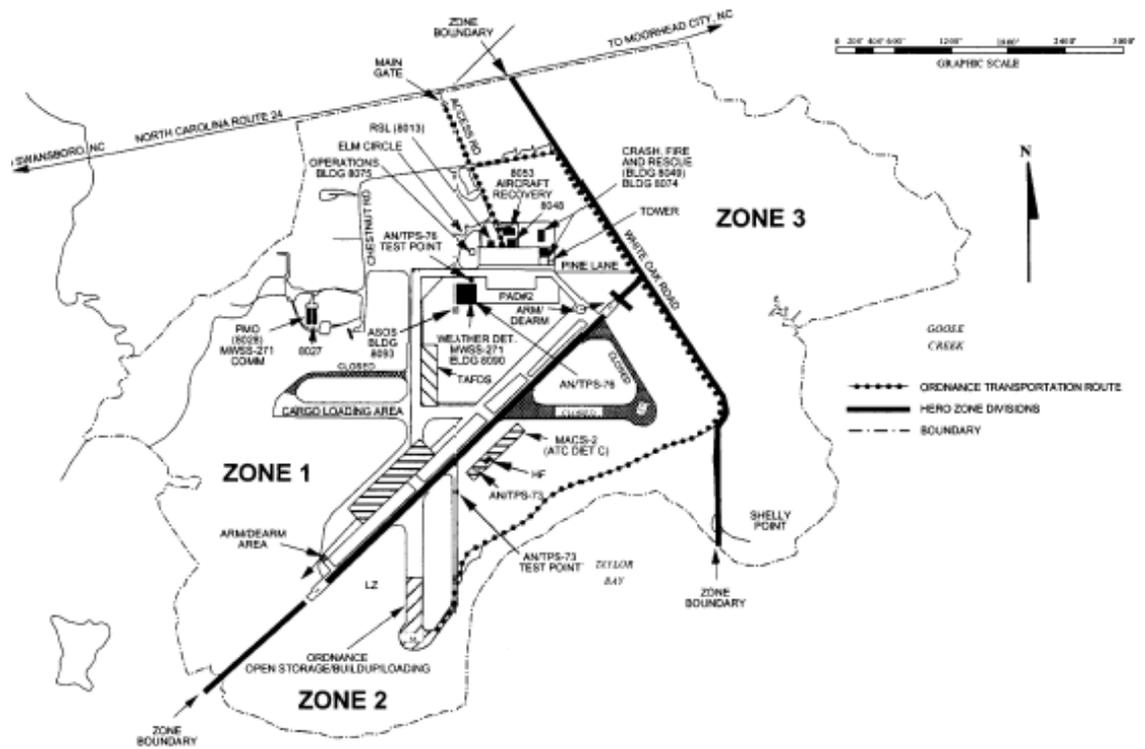
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MCALF Bogue Zone Description

1. Zone 1 - The area bounded by the northern and western airfield perimeter, runways 05 and 23 on the southeast, and White Oak Road on the east.
2. Zone 2 - The area bounded by runways 05 and 23 on the northwest, Bogue Sound on the south and east, and White Oak Road extended to Shelly Point on the northeast. This area includes the ordnance storage, build-up, and loading area used during training exercises. It also includes the transmitters of potential HERO concern at the mid-field air traffic control facility.
3. Zone 3 - The area of the base northeast of White Oak Road to the limits of the air field property. This zone is free of all ordnance operations, but frequently used by 2nd MAW units as a site for conducting exercises employing high-powered communications and radar transmitters.

ENCLOSURE (8)

MCALF Bogue Zone Illustration



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MCALF Bogue HERO Summary

<u>NALC</u>	<u>Ordnance</u>	<u>Situation/ Activity</u>	<u>Location</u>	<u>HERO CONDITION</u>
<u>General Applications</u>				
All	HERO SAFE ORDNANCE	Presence, handling, & loading	All locations	0
All	HERO UNSAFE ORDNANCE	Presence, handling, & loading	Zone 1 Zone 2 Zone 3	1 2 1
All	HERO SUSCEPTIBLE ORDNANCE	Presence, handling, & loading	Zone 1 Zone 2 Zone 3	3 4 4

ENCLOSURE (10)

MCALF Bogue HERO EMCON Procedures

HERO CONDITION 0

HERO EMCON is not required; all transmitters (as listed in enclosure (12)) may operate. Observe the general HERO requirements outlined in chapter 5 of reference (b).

HERO CONDITION 1

This condition applies to HERO UNSAFE ORDNANCE in HERO zones 1 and 3.

- Do not illuminate ordnance operations occurring within 414 feet of the AN/TPS-76 radar located near building 8090 (MWSS-271).
- Employ sector blanking of high-powered tactical radars to prevent direct illumination of ordnance locations or silence during HERO UNSAFE ORDNANCE operations.
- Silence all aircraft transmitters except VHF/UHF communications transmitters less than 20 watts or transmitters operating into dummy loads.
- Observe the HERO UNSAFE ORDNANCE separation distances listed in references (a) and (b) for all mobile and portable transmitters.
- For an ordnance accident, emergency response units such as the Fire Department, Ordnance Department, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using three VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using three VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in reference (a) or (b) for that specific mobile or portable unit.

HERO CONDITION 2

This condition applies to HERO SUSCEPTIBLE ORDNANCE in HERO zone 2.

- Silence the AN/URC-94(V)2 transmitter at MACS-2 ATC DET C or maintain the HERO UNSAFE ORDNANCE separation distance listed in enclosure (12).

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- Silence all aircraft transmitters except VHF/UHF communications transmitters less than 20 watts or transmitters operating into dummy loads.
- Maintain the HERO UNSAFE ORDNANCE separation distances for mobile and portable transmitters as listed in reference (b) and enclosure (12).
- For an ordnance accident, emergency response units such as the Fire Department, Ordnance Department, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using three VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using three VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in references (a) or (b) for that specific mobile or portable unit.

HERO CONDITION 3

This condition applies to HERO SUSCEPTIBLE ORDNANCE in HERO zone 1.

- Do not illuminate ordnance operations occurring within 170 feet of the AN/TPS-76 radar located at building 8090.
- Silence all aircraft transmitters except VHF/UHF communications transmitters less than 20 watts or transmitters operating into dummy loads.
- Observe the HERO UNSAFE ORDNANCE separation distances listed in reference (a) or (b) for all mobile and portable transmitters.

HERO CONDITION 4

This condition applies to HERO SUSCEPTIBLE ORDNANCE in HERO zones 2 and 3.

- Silence all aircraft transmitters except VHF/UHF communications transmitters less than 40 watts or transmitters operating into dummy loads.
- Observe the HERO UNSAFE ORDNANCE separation distances listed in reference (a) or (b) for all mobile and portable transmitters.

ENCLOSURE (11)

MCALF Bogue Communications and Radar Transmitters

Antenna Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances	
							HERO UNSAFE ORDNANCE (feet/meters)	HERO SUSCEPTIBLE ORDNANCE (feet/meters)
WJ04	OA-3870/FPS	PARABOLIC	40.0	5450 - 5650	227	AN/FPS-106	512 / 156	362 / 110
WJ04	AS-2906	PARABOLIC	30.0	10197 - 10400	0.045	AN/PPS-15	10 / 3	10 / 3
VEHICLE	N/A	WHIP	2.1	2 - 30	400	AN/MRC-138	2292 / 699	229 / 70
MACS-2, DET C								
MOBILE	D-2118	DIPOLE	1.0	225 - 400	25	AN/GRC-171	30 / 9	10 / 3
MOBILE	AS-3960	DIPOLE	2.1	130 - 174	2	AN/PRC-127	17 / 5	10 / 3
MOBILE	AT-1011/U	WHIP	2.1	2 - 30	100	AN/URC-94	1146 / 349	115 / 35
MOBILE	D-2118	DIPOLE	1.0	116 - 152	25	AN/GRC-211	58 / 18	12 / 4
MOBILE	D-2221	DIPOLE	1.0	225 - 400	55	AN/GRC-171(V)	44 / 14	12 / 4
MOBILE	D-2212	DIPOLE	1.0	116 - 152	25	AN/GRC-211	58 / 18	12 / 4
MOBILE	AN/1730		2.1	132 - 151	60	AN/VRC-82	90 / 27	19 / 6
MOBILE	AS-1729/VRC	DIPOLE	2.1	30 - 80	50	AN/URC-94	810 / 247	42 / 13
MOBILE	AS-3471/TRN	PARABOLIC	39.0	9000 - 9200	12000	AN/TPN-22	2008 / 612	1421 / 433
MOBILE	OE-449/TPS	PARABOLIC	34.0	2700 - 2900	10000	AN/TPS-73	3436 / 1048	2432 / 741
MOBILE	AS-3184/URN		6.0	962 - 1213	300	AN/URN-25	66 / 20	33 / 10
MOBILE	N/A	PARABOLIC	32.0	15412 - 15680	4000	AN/TPN-30	302 / 92	214 / 65
MWSS-271 WEATHER								
MOBILE	AT-1011	DIPOLE	2.1	2 - 30	100	RI-7000	1146 / 349	115 / 35
MOBILE	AS-3900A/VRC	DIPOLE	1	30 - 88	50	AN/VRC-90	714 / 218	37 / 11
MOBILE	MBY5	YAGI	7.0	42	250	MCC 520B	1011 / 308	135 / 41
MOBILE	MBY2	YAGI	4.0	42	100	MCC 545A	453 / 138	61 / 18
MOBILE	AS-390/SRC	COAXIAL STUB	2.1	200 - 400	50	AN/GRC-171(V)	54 / 16	13 / 4
MOBILE	AS-3567	DIPOLE	2.1	225 - 400	18	AN/PSC-5	29 / 9	10 / 3
MOBILE	UNIT 3A2	PARABOLIC	37.5	5300 - 5700	250	AN/TPS-76	414 / 126	293 / 89

N/A = Not assigned

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MCOLF Atlantic Zone Description

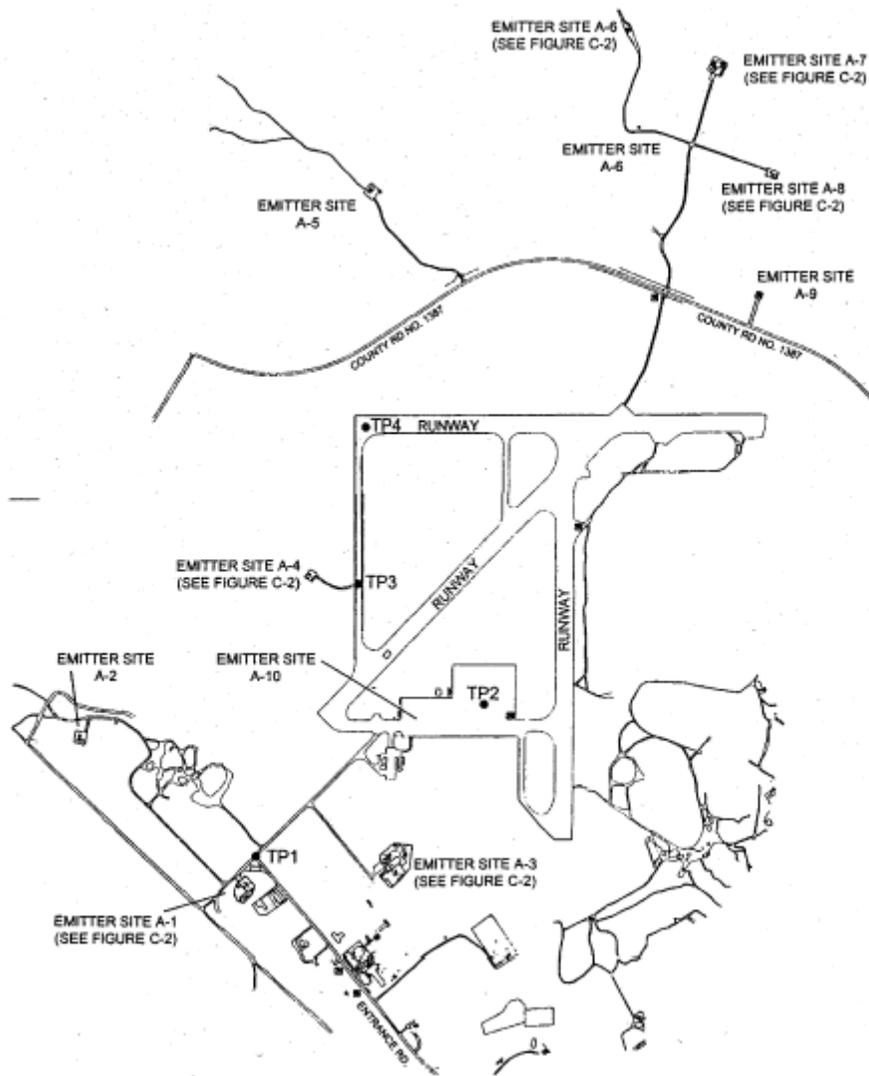
1. Zone 1 - The area southeast of the main runway (05/23) and the road leading to the approach end of runway 23 from County Road 1387, bounded by County Road 1387 on the northeast, and the base perimeter on the southeast and southwest. This area is used by units deployed for training to set up their camp area and communications/radar sites. It contains no ordnance, but does contain the ordnance transportation route for light vehicles that enter the main gate on Entrance Road.

2. Zone 2 - The area bounded by runways 05 and 23 on the southeast, County Road 1387 on the north, and the base perimeter on the west and southwest. This area contains all of the ordnance open storage, handling, build-up, and aircraft loading and arming/de-arming areas.

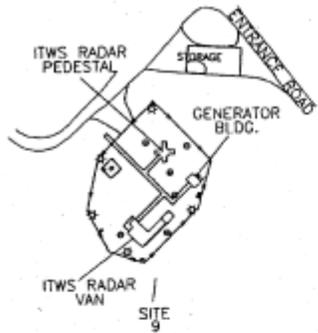
3. Zone 3 - The area north of County Road 1387 and the base perimeter. This area has no ordnance operating areas or transmitters other than those belonging to the MAEWR.

ENCLOSURE (13)

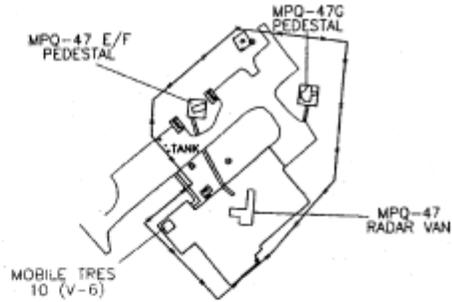
MCOLF Atlantic Zone Illustration



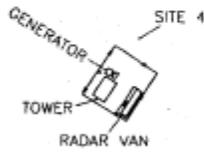
MCOLF Atlantic Zone Illustration



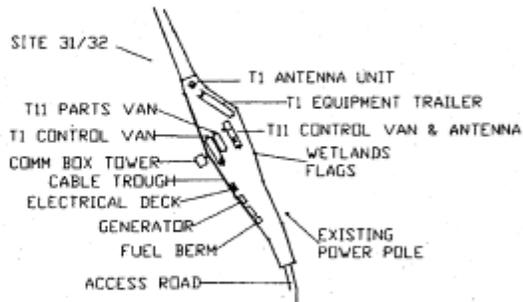
EMITTER SITE A-1



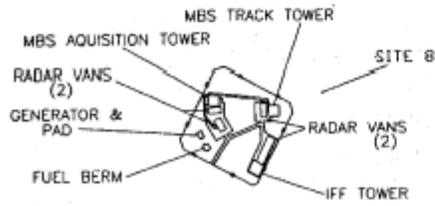
EMITTER SITE A-3



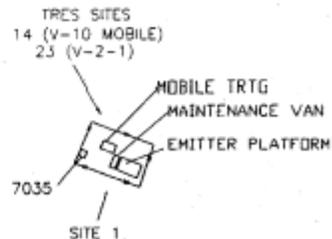
EMITTER SITE A-4



EMITTER SITE A-6



EMITTER SITE A-7



EMITTER SITE A-8

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MCOLF Atlantic HERO Summary

<u>NALC</u>	<u>Ordnance</u>	<u>Situation/ Activity</u>	<u>Location</u>	<u>HERO CONDITION</u>
<u>General Applications</u>				
All	HERO SAFE ORDNANCE	Presence, handling, & loading	All locations	0
All	HERO UNSAFE ORDNANCE	Presence, handling, & loading	Zone 1 Zone 2	1 1
All	HERO SUSCEPTIBLE ORDNANCE	Presence, handling, & loading	Zone 1 Zone 2	2 2

ENCLOSURE (15)

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MCOLF Atlantic HERO EMCON Procedures

HERO CONDITION 0

HERO EMCON is not required; all transmitters listed in enclosure (17) may be operated. Observe the general HERO requirements outlined in references (a) and (b).

HERO CONDITION 1

This condition applies to HERO UNSAFE ORDNANCE.

- Silence all aircraft transmitters except VHF/UHF communications transmitters less than 20 watts or transmitters operating into dummy loads.
- For in-flight aircraft carrying ordnance items directly exposed to the station's EME, observe the HERO UNSAFE ORDNANCE separation distances listed in enclosure (17) and references (a) and (b) for all stationary transmitters.
- Observe the HERO UNSAFE ORDNANCE separation distances listed in enclosure (17) and references (a) and (b) for all mobile and portable transmitters.
- For an ordnance accident, emergency response units such as the Fire Department, Ordnance Department, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using three VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using three VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in references (a) and (b) for that specific mobile or portable unit.

HERO CONDITION 2

This condition applies to HERO SUSCEPTIBLE ORDNANCE.

- Do not illuminate aircraft in flight with radar systems when the aircraft have HERO SUSCEPTIBLE ORDNANCE exposed to external EMEs. Maintain the safe separation distances listed in enclosure (17) and references (a) and (b).

ENCLOSURE (16)

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- Silence all aircraft transmitters except VHF/UHF communications transmitters less than 40 watts or transmitters operating into dummy loads.
- Observe the HERO SUSCEPTIBLE ORDNANCE separation distances listed in enclosure (17) and references (a) and (b) for all mobile and portable transmitters.

ENCLOSURE (16)

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MCOLF Atlantic Antenna and Transmitter Systems

Antenna Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dB)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances	
							HERO UNSAFE ORDNANCE (feet/meters)	HERO SUSCEPTIBLE ORDNANCE (feet/meters)
4280	N/A	DIPOLE	3.0	225 - 400	10	AN/URC-200	24 / 7	10 / 3
SITE 1 MOBILE	N/A	PARABOLIC	31.0	14500 - 15200	37.8	TRTG (TRACK)	28 / 8	20 / 6
SITE 2 MOBILE	N/A	PARABOLIC	44.0	15000	105	MTE (TRACK)	200 / 61	142 / 43
SITE 2 MOBILE	N/A	PARABOLIC	19.0	12710	9	AN/GPQ-T8 (TRACK)	10 / 3	10 / 3
SITE 3 TWSS	N/A	PARABOLIC	30.0	5000	163	TWSS (MISSILE)	149 / 46	106 / 32
SITE 3 TWSS	N/A	PARABOLIC	17.0	775	25	TWSS (TRACK)	85 / 26	38 / 12
SITE 4	N/A	PARABOLIC	38.0	9050	98	AN/GPQ-T8 (TRACK)	161 / 49	114 / 35
SITE 4	N/A	PARABOLIC	36.0	14900	203	AN/GPQ-T8 (TRACK)	112 / 34	79 / 24
SITE 4	N/A	PARABOLIC	15.5	12710	4	AN/GPQ-T8	10 / 3	10 / 3
SITE 5 BT-11	N/A	PARABOLIC	38.0	9050	98	AN/GPQ-T8 (TRACK)	161 / 49	114 / 35
SITE 5 BT-11	N/A	PARABOLIC	36.0	14900	203	AN/GPQ-T8 (TRACK)	112 / 34	79 / 24
SITE 5 BT-11	N/A	PARABOLIC	15.0	12710	4	AN/GPQ-T8	10 / 3	10 / 3
SITE 5 BT-11	N/A	PARABOLIC	28.0	2850	1048	AN/GPQ-T8	528 / 161	374 / 114
SITE 6	N/A	PARABOLIC	28.0	2960 - 3026	209	AN/MPQ-47EF (TRACK)	227 / 69	161 / 49
SITE 6	N/A	PARABOLIC	19.0	778	25	AN/MPQ-47EF (MISSILE)	106 / 32	48 / 15
SITE 7	N/A	PARABOLIC	35.0	4950 - 5050	1070	AN/MPQ-47G (TRACK)	688 / 210	487 / 148
SITE 7	N/A	PARABOLIC	50.0	743	25	AN/MPQ-47G (MISSILE)	3939 / 1201	1757 / 536
SITE 8	N/A	PARABOLIC	30.0	7860	250	MBS (TRACK)	118 / 36	83 / 25
SITE 8	N/A	PARABOLIC	33.0	4900	700	MBS (ACQUISITION)	446 / 136	316 / 96
SITE 8	N/A	PARABOLIC	26.0	6750	260	MBS (ACQUISITION)	88 / 27	62 / 19
SITE8	N/A	PARABOLIC	33.0	6982	2	MBS (MISSILE)	17 / 5	12 / 4
SITE 9	N/A	PARABOLIC	40.0	9250	300	ITWS (TRACK)	347 / 106	245 / 75
SITE 9	N/A	PARABOLIC	22.0	1063	16	ITWS (MISSILE)	88 / 27	45 / 14
SITE 10	N/A	PARABOLIC	40.0	8500 - 9600	173	AN/GPQ-11V(3) (TRACK)	286 / 87	203 / 62
SITE 10	N/A	PARABOLIC	30.0	1000 - 1100	87	AN/GPQ-11V(3) (MISSILE)	546 / 166	274 / 84
SITE 11 BT-11	N/A	PARABOLIC	40.0	8500 - 9600	173	AN/GPQ-11V(3) (TRACK)	286 / 87	203 / 62
SITE 11 BT-11	N/A	PARABOLIC	30.0	1000 - 1100	87	AN/GPQ-11V(3) (MISSILE)	546 / 166	274 / 84
SITE 12	N/A	PARABOLIC	40.0	16000 - 17000	85	AN/GPQ-11V(6) (TRACK)	107 / 33	75 / 23
SITE 12	N/A	PARABOLIC	38.0	8000 - 9600	83	AN/GPQ-11V(6) (MISSILE)	167 / 51	119 / 36
SITE 12	N/A	PARABOLIC	38.0	16000 - 17000	85	AN/GPQ-11V(6) (TRACK)	85 / 26	60 / 18
SITE 12	N/A	PARABOLIC	38.0	16000 - 17000	85	AN/GPQ-11V(6) (MISSILE)	85 / 26	60 / 18
SITE 13 BT-11	N/A	PARABOLIC	40.0	16000 - 17000	85	AN/GPQ-11V(6) (TRACK)	107 / 33	75 / 23
SITE 13 BT-11	N/A	PARABOLIC	38.0	8000 - 9600	83	AN/GPQ-11V(6) (MISSILE)	167 / 51	119 / 36
SITE 13 BT-11	N/A	PARABOLIC	38.0	16000 - 17000	85	AN/GPQ-11V(6) (TRACK)	85 / 26	60 / 18
SITE 13 BT-11	N/A	PARABOLIC	38.0	16000 - 17000	85	AN/GPQ-11V(6) (MISSILE)	85 / 26	60 / 18
SITE 14	N/A	PARABOLIC	41.0	13700	91.2	AN/GPQ-11V(10) (TRACK)	145 / 44	102 / 31
SITE 14	N/A	PARABOLIC	41.0	13700	25.1	AN/GPQ-11V(10) (MISSILE)	76 / 23	54 / 16
SITE 15 BT-11	N/A	PARABOLIC	41.0	13700	91.2	AN/GPQ-11V(10) (TRACK)	145 / 44	102 / 31
SITE 16	N/A	PARABOLIC	41.0	14500 - 15200	100	AN/GPQ-11V(1) (TRACK)	143 / 44	101 / 31
SITE 16	N/A	PARABOLIC	39.0	12600 - 13300	36	AN/GPQ-11V(1) (MISSILE)	79 / 24	56 / 17
SITE 17	N/A	PARABOLIC	41.0	14500 - 15200	100	AN/GPQ-11V(1) (TRACK)	143 / 44	101 / 31
SITE 17	N/A	PARABOLIC	39.0	12600 - 13300	36	AN/GPQ-11V(1) (MISSILE)	79 / 24	56 / 17
SITE 18	N/A	PARABOLIC	41.0	14500 - 15200	100	AN/GPQ-11V(1) (TRACK)	143 / 44	101 / 31
SITE 18	N/A	PARABOLIC	39.0	12600 - 13300	36	AN/GPQ-11V(1) (MISSILE)	79 / 24	56 / 17
SITE 19	N/A	PARABOLIC	41.0	14500 - 15200	100	AN/GPQ-11V(1) (TRACK)	143 / 44	101 / 31

N/A = Not assigned

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MCOLF Atlantic Antenna and Transmitter Systems

Antenna Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dB)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances			
							HERO UNSAFE ORDNANCE (feet/meters)		HERO SUSCEPTIBLE ORDNANCE (feet/meters)	
SITE 19	N/A	PARABOLIC	39.0	12600 - 13300	36	AN/GPQ-11V(1) (MISSILE)	79 / 24	56 / 17		
SITE 21 BT-11	N/A	PARABOLIC	39.0	7810 - 8500	132	AN/GPQ-11V(2) (TRACK)	243 / 74	172 / 52		
SITE 21 BT-11	N/A	PARABOLIC	39.0	6970 - 6990	831	AN/GPQ-11V(2) (MISSILE)	682 / 208	483 / 147		
SITE 22	N/A	PARABOLIC	39.0	7810 - 8500	132	AN/GPQ-11V(2) (TRACK)	243 / 74	172 / 52		
SITE 22	N/A	PARABOLIC	39.0	6970 - 6990	831	AN/GPQ-11V(2) (MISSILE)	682 / 208	483 / 147		
SITE 23	N/A	PARABOLIC	39.0	7810 - 8500	132	AN/GPQ-11V(2) (TRACK)	243 / 74	172 / 52		
SITE 23	N/A	PARABOLIC	39.0	6970 - 6990	831	AN/GPQ-11V(2) (MISSILE)	682 / 208	483 / 147		
SITE 24 BT-11	N/A	PARABOLIC	39.0	7810 - 8500	132	AN/GPQ-11V(2) (TRACK)	243 / 74	172 / 52		
SITE 24 BT-11	N/A	PARABOLIC	39.0	6970 - 6990	831	AN/GPQ-11V(2) (MISSILE)	682 / 208	483 / 147		
SITE 25	N/A	PARABOLIC	39.0	7810 - 8500	132	AN/GPQ-11V(2) (TRACK)	243 / 74	172 / 52		
SITE 25	N/A	PARABOLIC	39.0	6970 - 6990	831	AN/GPQ-11V(2) (MISSILE)	682 / 208	483 / 147		
SITE 27 BT-11	N/A	PARABOLIC	39.0	7810 - 8500	132	AN/GPQ-11V(2) (TRACK)	243 / 74	172 / 52		
SITE 27 BT-11	N/A	PARABOLIC	39.0	6970 - 6990	831	AN/GPQ-11V(2) (MISSILE)	682 / 208	483 / 147		
SITE 28	N/A	PARABOLIC	39.0	8121	16218	AN/GPQ-11V(9) (TRACK)	2587 / 789	1831 / 558		
SITE 28	N/A	PARABOLIC	39.0	6982	1584	AN/GPQ-11V(9) (MISSILE)	940 / 287	666 / 203		
SITE 29 BT-11	N/A	PARABOLIC	39.0	8121	16218	AN/GPQ-11V(9) (TRACK)	2587 / 789	1831 / 558		
SITE 29 BT-11	N/A	PARABOLIC	39.0	6982	1584	AN/GPQ-11V(9) (MISSILE)	940 / 287	666 / 203		
SITE 30	N/A	PARABOLIC	40.0	16000 - 17000	85	AN/GPQ-11V(6) (TRACK)	107 / 33	75 / 23		
SITE 30	N/A	PARABOLIC	38.0	8000 - 9600	83	AN/GPQ-11V(6) (MISSILE)	167 / 51	119 / 36		
SITE 30	N/A	PARABOLIC	38.0	16000 - 17000	85	AN/GPQ-11V(6) (TRACK)	85 / 26	60 / 18		
SITE 30	N/A	PARABOLIC	38.0	16000 - 17000	85	AN/GPQ-11V(6) (MISSILE)	85 / 26	60 / 18		
SITE 31	N/A	PARABOLIC	36.0	2208 - 2333	6500	AN/MSQ-T11	4264 / 1300	2941 / 897		
SITE 31	N/A	PARABOLIC	43.0	6416 - 6960	277	AN/TPS-40	678 / 207	480 / 146		
SITE 32	N/A	PARABOLIC	36.0	2208 - 2333	6500	AN/MSQ-T11	4264 / 1300	2941 / 897		
SITE 32	N/A	PARABOLIC	43.0	6416 - 6960	277	AN/TPS-40	678 / 207	480 / 146		

N/A = Not assigned

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Ordnance Listing

<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
AA11	P	CARTRIDGE, 7.62 MM NSN 1305-01-419-8202	NO HERO REQ.
AA12	L	CARTRIDGE, 9 MM, FX MARKING, RED NSN 1305-01-424-2410 P/N 5300432 NSN 1305-01-439-9717 P/N 5300432 (0T AND 2T COG)	NO HERO REQ.
AA21	L	CARTRIDGE, 9 MM, FX MARKING, BLUE NSN 1305-01-449-4254 P/N 5300432	NO HERO REQ.
AA29	L	CARTRIDGE, 12 GAUGE, BEAN BAG, NON-LETHAL NSN 1305-01-454-0191 P/N HS/4083/C97/1127	NO HERO REQ.
AA30	L	CARTRIDGE, 12 GAUGE LAUNCHER, F/GRENADE NON-LETHAL NSN 1305-01-454-0187 P/N HS/4083/C97/1136 NSN 1305-01-464-8389 P/N 100617	NO HERO REQ.
AA31	L	CARTRIDGE, 12 GAUGE RUBBER FIN, NON-LETHAL NSN 1305-01-454-0189 P/N HS/4083/C97/1135	NO HERO REQ.
AA33	L	CARTRIDGE, 5.56MM BALL, M855 NSN 1305-01-457-4589	NO HERO REQ.
AA49	L	CARTRIDGE, 9 MM, M882, BALL	NO HERO REQ.
AA55	L	CARTRIDGE, 12 GAUGE SHOTGUN	NO HERO REQ.
AX02	L	BOX, AMMUNITION, MTL, M2A1	NO HERO REQ.
AX14	L	PRIMER, PERCUSSION, 12 GAUGE, SHOTGUN, BATTERY CUP TYPE W209 NSN 1390-01-466-9197 P/N NONE LISTED	NO HERO REQ.
A011	L	CARTRIDGE, 12 GA SHOTGUN, NO. 00 BUCKSHOT NSN 1305-00-028-6642 P/N 7553929 AMMO CLASS X NSN 1305-01-386-2464 P/N 5355700 NSN 1305-01-232-8338 P/N 12551623	NO HERO REQ.
A014	P	CARTRIDGE, 12 GA SHOTGUN, NO.7 1/2 SHOT NSN 1305-01-232-0819 P/N 12551625	NO HERO REQ.
A017	L	CARTRIDGE, 12 GA SHOTGUN, NO.9 SHOT NSN 1305-01-232-7415 P/N 12551626	NO HERO REQ.
A023	L	CARTRIDGE, 12 GAUGE SHOTGUN, 1 OZ SLUG LOADED, W/PLASTIC CASE NSN 1305-01-282-1256 P/N X12RS15 (2T COG CLASS X) NSN 1305-01-386-5604 P/N 6552019	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
A024	L	CARTRIDGE, MK 246 MOD 0, 12 GAUGE SHOTGUN LOCKBUSTER, MOD LBC .05 LBS POWDERED METAL FILLER, IN MTL BOX NSN 1305-01-431-5624 P/N 7232080 NSN 1305-01-282-1257 P/N LB-C	NO HERO REQ.
A059	L	CARTRIDGE 5.56 MM, BALL, M855, CLIPPED, {ALL M855 CARTRIDGES IDENTIFIED BY GREEN BULLET TIP} NSN 1305-01-155-5459 P/N 9354626 OR 9342868 OR 9342867 NSN 1305-01-155-5462 P/N 9357724	NO HERO REQ.
A060	L	DUMMY CARTRIDGE, 5.56 MM, M199, SINGLE RD	NO HERO REQ.
A063	L	CARTRIDGE 5.56 MM, TRACER, M856, {ALL M856 CARTRIDGES ARE IDENTIFIED BY AN ORANGE TIP} NSN 1305-01-155-5457 P/N 9342865	NO HERO REQ.
A064	L	CARTRIDGE, 5.56 MM, LINKED W/M27 LINKS, 4-BALL M855 TO 1 TRACER M856 NSN 1305-01-131-5246 P/N 9349300 NSN 1305-01-156-7584 P/N 9354587 NSN 1305-01-252-0153 P/N 9342863 OR 9342862 OR 12597656	NO HERO REQ.
A071	L	CARTRIDGE, 5.56 MM, BALL, M193, 10 RD CLIP	NO HERO REQ.
A075	L	CARTRIDGE 5.56 MM, BLANK, LINKED, /M27 LINKS	NO HERO REQ.
A080	P	CARTRIDGE, 5.56 MM, BLANK, XM200 OR M200 SERIES, SINGLE ROUND NSN 1305-00-005-8005 P/N 7553296 NSN 1305-00-182-3217 P/N 7553347	NO HERO REQ.
A086	L	CARTRIDGE, CAL .22, BALL, LONG RIFLE NSN 1305-00-819-6017 P/N 11820430	NO HERO REQ.
A091	P	CARTRIDGE, CAL .22, BALL, LONG RIFLE, MATCH GRADE, RIFLE	NO HERO REQ.
A111	P	CARTRIDGE, 7.62 MM, BLANK M82, NATO, LINKED FOR M60 MG 1305-01-181-1750 P/N 9381581	NO HERO REQ.
A130	L	CARTRIDGE, 7.62 MM, BALL M59 OR M80, F/RIFLE M14, 5 RD CLIP	NO HERO REQ.
A131	L	CARTRIDGE, 7.62 MM, BALL M59 OR M80 AND TRACER M62 LINKED W/M13 LINK, 4 TO 1 RATIO, F/M60 AND M73 MG NSN 1305-00-005-8007 P/N 8595543 OR 7553705	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
A136	L	CARTRIDGE, 7.62 MM, BALL, M118 OR T275E4, NATO MATCH GRADE, SINGLE RD	NO HERO REQ.
A151	L	CARTRIDGE, 7.62 MM, LINKED, 4-BALL M80, 1 TRACER M62, F/MG M60, {AMMO FOR OVERHEAD FIRE}	NO HERO REQ.
A165	P	CARTRIDGE, 7.62 MM BALL M80 AND TRACER M62 W/M13 LINK F/MINI GAU-2B/A MACHINE GUN	NO HERO REQ.
A171	L	CARTRIDGE, 7.62 MM, BALL, MATCH M852	NO HERO REQ.
A260	P	CARTRIDGE, 9 MM, SUBSONIC, JACKETED HOLLOW POINT	NO HERO REQ.
A358	L	CARTRIDGE, 9 MM, PRACTICE M939, W/TRACER, F/AT4	NO HERO REQ.
A359	L	DUMMY CARTRIDGE, 9 MM, M917	NO HERO REQ.
A363	L	CARTRIDGE, 9 MM BALL, M882 NSN 1305-01-467-5408 P/N 9345211	NO HERO REQ.
A475	P	CARTRIDGE, CAL .45, BALL, M1911, GRADE 1 NSN 1305-00-555-1225 P/N 6000503	NO HERO REQ.
A482	L	CARTRIDGE, CAL .45, AUTOMATIC, BALL, 185 GRAIN, WADCUTTER, MATCH GRADE NSN 1305-00-540-7862 P/N MIL-C-3030-1	NO HERO REQ.
A518	L	CARTRIDGE CAL.50, LINKED, 4 SLAP XM903, 1 SLAP-T XM962, 100 ROUNDBELT	NO HERO REQ.
A560	L	DUMMY CARTRIDGE, CAL .50, SINGLE RD	NO HERO REQ.
A576	P	CARTRIDGE, CAL .50, LINKED, LINK M2, API M8/API-T M20, GRADE AC IN M2A1 METAL BOX NSN 1305-00-003-8803 P/N 7670238 OR 7672003 NSN 1305-00-028-6485 P/N 7672003 OR 7670238	NO HERO REQ.
A651	Q	CARTRIDGE, 20 MM A/C, TP-T M220, F/GUNS M39, M61 NSN 1305-00-785-2829 P/N 7259146 NSN 1305-01-118-9930 P/N 9344284	SUSCEPTIBLE
A762	Q	CARTRIDGE, 20 MM, LINKED 4 PGU-28/B SAPHEI, 1 PGU-30/B TP-T W/M14A2 LINK, F/GUN M197 NSN 1305-01-330-9494 P/N 1696AS220-6	SUSCEPTIBLE
A924	Q	DUMMY CARTRIDGE, 20 MM A/C, M51A3	NO HERO REQ.
A929	Q	DUMMY CARTRIDGE, 20 MM, M51 SERIES, LINKED W/MK 7 MOD 1 LINK NSN 1305-01-161-7529 P/N ADL5871720	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
A965	X	CARTRIDGE, 25.4 MM, DECOY M839, USED IN M130 DECOY LAUNCHER, SHIPPED WITH MD73 CARTRIDGE NSN 1305-01-082-8986 P/N 9331947 OR 9329609	SUSCEPTIBLE
A974	Q	CARTRIDGE, 25 MM APDS-T, M791, LINKED NSN 1305-01-356-9838 P/N D12013533 NSN 1305-01-092-0428 P/N 12013720 NSN 1305-01-095-6014 P/N 12033719	NO HERO REQ.
A975	L	CARTRIDGE, 25 MM, HEI-T, M792, LINKED W/M28 LINKS, F/M242 CANNON NSN 1305-01-094-1035 P/N 12013722 NSN 1305-01-094-7016 P/N 1203721	NO HERO REQ.
A978	Q	CARTRIDGE, 25 MM PRACTICE PGU-23/U W/O TRACER F/GUN GAU-12 SINGLE ROUND NSN 1305-01-250-0101 P/N 1397AS390 80 RDS PER CNU-405/E	NO HERO REQ.
A990	Q	CARTRIDGE, 25 MILLIMETER, PGU-32/U, SAPHEI-T W/O LINKS FOR GAU-12 PKG 100 RDS PER CNU-405/E MTL CONT. NSN 1305-01-352-5649 P/N 1397AS890	NO HERO REQ.
BA07	L	CARTRIDGE, 40 MM, NON-LETHAL FOAM RUBBER BATON NSN 1310-01-453-9168 P/N HS/4083/C97/1128	NO HERO REQ.
BA08	L	CARTRIDGE, 40 MM, NON-LETHAL, RUBBER BALL NSN 1310-01-453-9154 P/N HS/4083/C97/1130	NO HERO REQ.
BWAC	V	CRADLE, SHIPPING AND STORAGE. MK 12 MOD 3, ALUM, FOR 3 AIM-7 SPARROW MISSILES LESS WINGS AND FINS	NO HERO REQ.
BWBN	A	CONTAINER, SHIPPING AND STORAGE METAL, CNU-419B/E, F/ONE (1) BSU-85/B BOMB FIN	NO HERO REQ.
B472	L	DUMMY CARTRIDGE, 40 MM, M385, W/M169 CARTRIDGE CASE NSN 1310-01-369-4705 P/N 9362531 NSN 1310-01-154-6525 P/N 9275763	NO HERO REQ.
B504	L	CARTRIDGE 40 MM, GREEN STAR PARACHUTE, M661 F/LAUNCHER M79/M203	NO HERO REQ.
B505	L	CARTRIDGE 40 MM, RED STAR PARACHUTE, M662, F/LAUNCHER M79/M203	NO HERO REQ.
B506	L	CARTRIDGE, 40 MM, RED SMOKE GROUND MARKER W/M733 IMPACT FUZE, F/LAUNCHER M79 AND M203	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
B508	L	CARTRIDGE, 40 MM, GREEN SMOKE GROUND MARKER W/M733 IMPACT FUZE, F/LAUNCHER M79 AND M203	NO HERO REQ.
B509	L	CARTRIDGE, 40 MM, YELLOW SMOKE GROUND MARKER W/M733 IMPACT FUZE, F/LAUNCHER M79 AND M203	NO HERO REQ.
B519	L	CARTRIDGE, 40 MM, PRACTICE, M781, SINGLE RD, PLASTIC CARTRIDGE CASE, YELLOW DYE FILLER, W/O TRACER, F/M79 AND M203 LAUNCHER NSN 1310-01-211-8073 P/N 9395853	NO HERO REQ.
B534	L	CARTRIDGE, 40 MM, FIXED, MULTIPLE PROJECTILE XM576/XM576E1 NSN 1310-00-962-4061 P/N 8835107 OR 10542398 OR 10542344	NO HERO REQ.
B535	L	CARTRIDGE, 40 MM, FIXED WHITE STAR PARACHUTE, XM583	NO HERO REQ.
B542	L	CARTRIDGE, 40 MM, M430, HE DP, COMP A5, LINKED W/M16A2 LINKS, F/MK 19 MOD 3 MACHINEGUN, W/B549 PERCUSSION FUZE NSN 1310-01-159-8043 P/N 9370128 OR 9287851	NO HERO REQ.
B546	L	CARTRIDGE, 40 MM, FIXED, HEDP, XM433E1, W/FUZE PIBD XM550E1, F/GRENADE LAUNCHER M79/203 NSN 1305-00-992-0451 P/N 8886371 OR 8882362	NO HERO REQ.
B567	L	CARTRIDGE, 40 MM, W/FZ PDDT, XM581E1, MOD 4, F/GRENADE LAUNCHER M79/M203	NO HERO REQ.
B584	L	CARTRIDGE 40 MILLIMETER, TARGET PRACTICE M918, LINKED W/M16A2 LINK	NO HERO REQ.
B642	L	CARTRIDGE, 60 MM, H.E. COMP B, M720 W/MULTI-OPTION FUZE M734 NSN 1310-01-022-7680 SHIPPED IN METAL PA70 CONTAINER	SUSCEPTIBLE
B643	L	CARTRIDGE, 60 MM, HE, M888 W/FZPD, M935	NO HERO REQ.
B646	L	CARTRIDGE, 60 MM, SMOKE, WP, XM722, W/FZ XM745 PD, PROP CHG, IGN CHG AND FIN ASSY NSN 1310-01-236-1354 P/N 15-12-345	NO HERO REQ.
B647	L	CARTRIDGE, 60 MM, ILLUMINATING, W/FZ MTSQ M776, FIN ASSY, F/MORTAR M224	NO HERO REQ.
B650	L	CARTRIDGE, 40 MM, BLANK SALUTING, 200 GRAM BLACK POWDER CHARGE NSN 0T 1310-01-240-5741 P/N 1863095 NSN 2T 1310-01-240-5741 BRASS OR STEEL CASE P/N 1863095	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
CW86	V	CONTAINER, SHIPPING AND STORAGE, CNU-448/E, FOR 1 AUR HELLFIRE, AGM-114A NSN 8140-01-159-7487 P/N 13155079	NO HERO REQ.
CWDC	P	DUMMY CARTRIDGE, 12 GAUGE SHOTGUN, MK 242 MOD 0 NSN 1305-01-380-3255 P/N P0408500	NO HERO REQ.
CWDE	Y	CONTAINER, SHIPPING AND STORAGE, CNU-488/E NSN 8140-01-331-1908 P/N 6561468	NO HERO REQ.
CX77	L	BOX, PACK METAL, MK 2 MOD 0	NO HERO REQ.
C868	L	CARTRIDGE, 81 MM, HE, COMP B, M821 W/FUZE MULTI-OPTION M734. SHIPPED IN METAL CONTAINER. SAFE FOR TRANSPORTATION AND STORAGE IN METAL CONTAINER	SUSCEPTIBLE
C869	L	CARTRIDGE, 81 MM, HE, COMP B M889, W/FUZE PD M935 NSN 1315-01-357-6159 P/N 9354444	NO HERO REQ.
C870	L	CARTRIDGE, 81 MM, SMOKE, RP, M819, W/FZ MTSQ M772	NO HERO REQ.
C871	L	CARTRIDGE, 81 MM, ILLUMINATING, M853, W/FZ TIME M768	NO HERO REQ.
C995	L	LAUNCHER AND CARTRIDGE 84 MM, M136 (AT4) NSN 1315-01-245-4950 P/N 13229861	SAFE
DWBS	E	CHARGE, DIVERSIONARY, MK 141 MOD 0 NSN 1375-01-387-5748 P/N 6570654 OR 6990372	NO HERO REQ.
DWCF	Y	COUNTERMEASURES, CHAFF RR-129A/AL NSN 5865-01-446-5915 P/N 1050AS126	NO HERO REQ.
DWCI	Y	DEVICE, DECOY MJU-49/B. NSN 1370-01-449-0577 P/N 3577AS100	NO HERO REQ.
D003	L	CHARGE, SPOTTING, PROJECTILE M509, FOR DODICS D563 AND D651	NO HERO REQ.
D501	L	PROJECTILE, 155 MM APERS MINES ADAM-L M692 W/O FZ	SAFE
D502	L	PROJECTILE, 155 MM, APERS MINE, M731, W/O FZ, W/M72 APERS MINE, ADAM-S	SAFE
D503	L	PROJECTILE, 155 MM M718 H.E, W/O FZ, W/M70 AT MINES, RAAM-L	SAFE

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
D505	L	PROJECTILE, 155 MM, ILLUMINATING, M485 SERIES, W/O FZ, F/HOWITZER M1, M1A1, M45 AND CANNON M126 NSN 1320-00-935-2091 P/N 9214150	NO HERO REQ.
D509	L	PROJECTILE, 155 MM, AT, M741, W/O FZ, W/M73 AT MINES, RAAM-S	SAFE
D510	L	PROJECTILE, 155 MM, HE, GUIDED, (COPPERHEAD) M712, W/M740 PIBD FZ, 1 PER MTL CTR, 6 CTR PER WOODEN PALLET NSN 1320-01-077-4279 P/N 9305300	SUSCEPTIBLE
D528	L	PROJECTILE, 155 MM, WP, SMOKE, SCREENING, M825	NO HERO REQ.
D532	L	CHARGE, PROPELLING, 155 MM, RED BAG, ZONE 8SC, M203	NO HERO REQ.
D533	L	CHARGE, PROPELLING, 155 MM, WHITE BAG, M119A1,ZONE 8 OR M119A2 ZONE 7(REDBAG) WITHOUT PRIMERS F/HOWITZER M109	NO HERO REQ.
D540	L	CHARGE, PROPELLING, 155 MM, GREEN BAG, HOWITZER, M1, M1A1, M45 AND M126 NSN 1320-00-028-4873 P/N 71-9-177 NSN 1320-00-028-4874 P/N 71-9-177 NSN 1320-00-028-4875 P/N 71-9-177 NSN 1320-00-028-4876 P/N 8864405 NSN 1320-00-935-1922 P/N 8887277 NSN 1320-00-008-7790 P/N 8887277 DELETED 4/01 NSN 1320-00-965-0556 P/N 8887277	NO HERO REQ.
D541	X	CHARGE, PROPELLING, 155 MM, WHITE BAG, HOWITZER, M1, M1A1, M45 AND M126 NSN 1320-00-935-1923 P/N 9207624	NO HERO REQ.
D544	L	PROJECTILE, 155 MM, HE, W/O FZ, F /HOWITZER NSN 1320-01-257-4222 P/N 9216352	NO HERO REQ.
D550	L	PROJECTILE, 155 MM, SMOKE, WP, M110A2,W/O FUZE, 8 RDS PER PALLET, 3 PALLETS PER BUNDLE F/HOWITZER NSN 1320-01-465-3955 P/N 12991202	NO HERO REQ.
D563	L	PROJECTILE, 155 MM, HE, DP, ICM, M483A1, W/GRENADES, W/O FZ M577	NO HERO REQ.
D579	L	PROJECTILE, 155 MM, HE, ROCKET ASSISTED, XM549 F/HOWITZER.	NO HERO REQ.
D864	L	PROJECTILE, 155 MM, HE, ER-DPICM M864 W/O FUZE	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
EA11	A	SWIVEL AND CLIP ASSY F/BSU-86/B BOMB FIN (NSN 1325-01-407-2231)	NO HERO REQ.
EA53	A	FIN ASSEMBLY, BOMB BSU-86A/B NSN 1325-01-437-8275 P/N 923AS346	NO HERO REQ.
EB05	A	FUZE, FMU-139B/B WITH TRANSIENT VOLTAGE SUPPRESSORS NSN 1325-01-465-1492 P/N 1379AS901	SAFE
EB33	A	LASER-GUIDED TRAINING ROUND (LGTR), BDU-59A/B FOR AV-8B, F-14A, F-14D, F/A-18C/D, F/A-18E/F AIRCRAFT PKG 4 PER PALLET NSN 1325-01-480-2499 P/N 137800/AS6178	SAFE
EWAA	Y	DEVICE DECOY, MJU-27A/B. NSN 1370-01-419-6385 P/N 3513AS100	NO HERO REQ.
E167	A	BOMB, FIRE MK 77 MOD 5 500 LB SIZE, DRY FILLED	NO HERO REQ.
E470	A	BOMB, GENERAL PURPOSE MK 82 MOD 2A, 500 LB, W/CABLE ASSY. AND SUSP LUGS INSTALLED, NTP THERMAL PROTECTION REMOVED	NO HERO REQ.
E488	A	BOMB, GP, MK 82 MOD 2, 500 LB, W/CABLE ASSY M72 OR T8, SUSP LUGS, THERMAL PROTECTED	NO HERO REQ.
E508	A	BOMB, GP, MK 83 MOD 4, 1000 LB, W/CABLE ASSY M73 OR T15	NO HERO REQ.
E509	A	BOMB, GP, MK 83 MOD 4, 1000 LB, W/CABLE ASSY M73 OR T15, SUSP LUG NSN 1325-00-464-7369 P/N 982537	NO HERO REQ.
E510	A	BOMB, GP, MK 83 MOD 5, 1000 LB, W/CABLE ASSY M73 OR T15, SUSP LUG THERMALLY PROTECTED NSN 1325-00-007-9749 P/N 4902089	NO HERO REQ.
E511	A	BOMB, GP, MK 83 MOD 4, 1000 LB, INERT, W/CABLE ASSY AND SUSP. LUGS INSTALLED	NO HERO REQ.
E825	A	DISPENSER AND BOMB, ACFT, CBU-MK 20 MOD 4, BALLISTIC DUMMY WEAPON, NON-OPENING TYPE, INERT	NO HERO REQ.
E962	A	BOMB, PRACTICE, BDU-48/B 10 LB SIZE, HIGH DRAG NSN 1325-01-135-6923 P/N 923AS600	NO HERO REQ.
E973	A	BOMB, PRACTICE, MK 76 MOD 5, 25 LB, W/MK 14 SUSP LUG	NO HERO REQ.
FW11	A	FIRING PIN ASSY, MK 1 MOD 0 F/PRACTICE BOMBS	NO HERO REQ.
FW25	A	CLIP, SAFETY, ARMING WIRE, FAHNESTOCK	NO HERO REQ.

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FW26	A	CUP, SUPPORT, F/LOW DRAG BOMBS	NO HERO REQ.
FW32	A	PLUG, BOMB, NOSE, STEEL, F/GP BOMB MK 83	NO HERO REQ.
FW35	A	PLUG, BOMB, NOSE, STEEL, F/GP BOMB MK 84	NO HERO REQ.
FW44	A	ADAPTER, SPOTTING CHARGE, BOMB, MK 89 MOD 0	NO HERO REQ.
FW56	A	CLIP, RESTRAINER, F/MK 344 AND MK 376 FUZES ON MK 80 SERIES BOMBS	NO HERO REQ.
FW98	H	INFLATION DEVICE, AUTOMATIC, FLU-8A/P F/LPU-23A/P AND LPU-21/P LIFE PRESERVERS NSN 1377-01-092-3087 P/N 849AS150 NSN 1377-01-364-4089 P/N 849AS153	SAFE
F017	A	BOMB, PRACTICE, BDU-45/B, 500 LB NSN 1325-01-088-1054 P/N 923AS115-1	NO HERO REQ.
F289	A	BOMB, GENERAL PURPOSE, BLU-111A/B 500 LB SIZE PBXN-109 LOADED, THERMALLY PROTECTED, LOW DRAG NSN 1325-01-300-3577 P/N 923AS331	NO HERO REQ.
F372	A	ADAPTER-BOOSTER, BOMB, T45E4, M148/T45E7 AND T45E8, NOSE	NO HERO REQ.
F392	A	ADAPTER-BOOSTER, BOMB, M148E1, NOSE, THERMALLY PROTECTED NSN 1325-00-491-6562 P/N 9272263	NO HERO REQ.
F415	A	ARMING WIRE ASSY, MK 9 MOD 0, SINGLE	NO HERO REQ.
F417	A	ARMING WIRE ASSY, MK 9 MOD 1 SINGLE 90 INCH STRAND 0.064 INCH DIAMETER, CRES WIRE, WIRE FERRULE, RETAINER, TAG NSN 1325-01-264-5465 P/N 923AS303	NO HERO REQ.
F435	A	ARMING WIRE ASSY, AN-M8A1 OR MK 2 MOD 0, DOUBLE	NO HERO REQ.
F448	A	ARMING WIRE ASSY, MK 3 MOD 0, SINGLE	NO HERO REQ.
F470	A	CARTRIDGE, SIGNAL, PRACTICE BOMB CXU-3 NSN 1325-01-088-4217 P/N 1320AS100 NSN 1325-01-112-8170 P/N 1371AS100	NO HERO REQ.
F533	A	FIN ASSEMBLY, BOMB, CONICAL F/2000 GP MK84 AND MODS W/O SUSP LUGS NSN 1325-01-089-9322 P/N 1380529	NO HERO REQ.
F534	A	CARTRIDGE, SIGNAL, PRAC BOMB, CXU-4/B	NO HERO REQ.

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F541	A	FIN ASSEMBLY, BOMB MK 15 MOD 4, F/500 LB, GP BOMB, MK 82, LOW DRAG, AND MK 82 SNAKEYE 1, W/2 SUSPENSION LUGS	NO HERO REQ.
F642	A	FIN ASSEMBLY, BOMB, MODIFIED, F/1000 LB LOW DRAG BOMB, MK 83 MOD 2, 3 AND 4, W/O SUSP LUGS	NO HERO REQ.
F766	A	FIN ASSEMBLY, BOMB BSU-86/B	NO HERO REQ.
F768	A	FIN ASSEMBLY, BOMB, MK 15 MOD 6, F/500 LB GP BOMB, MK 82 LOW DRAG, W/O SUSPENSION LUGS	NO HERO REQ.
F780	A	FIN ASSEMBLY, BOMB BSU-33A/B	NO HERO REQ.
F782	A	FIN ASSEMBLY, BOMB BSU-33B/B	NO HERO REQ.
GG04	L	GRENADE, HAND, RUBBER BALL, NON-LETHAL NSN 1330-01-454-0132 HS/4083/C97/1138	NO HERO REQ.
GG05	L	GRENADE, HAND, PRACTICE, NON-LETHAL (INERT) NSN 1330-01-454-0099 P/N HS/4083/C97/1137	NO HERO REQ.
GW03	A	SWITCH, ARMING, SAFETY, MK 122 MOD 0, F/FUZE FMU-139, 152, MK 376, DSU-33, MK 43 TDD NSN 1325-01-471-1801 P/N 3639AS100	NO HERO REQ.
GW04	A	INITIATOR, FIREBOMB MK 13 MOD 0	NO HERO REQ.
GW67	H	CARTRIDGE ASSY ELECTRIC F/EARTH ANCHOR, USES BLASTING CAP NSN 1377-01-043-1180 P/N 517482-1	NO HERO REQ.
GW68	V	WINGS, BSU-56A/B AND FINS, BSU-57/B SET OF FOUR EACH F/AIM-7F/M	NO HERO REQ.
GW86	V	FIN ASSEMBLY, GUIDED MISSILE, BSU-32/B, F/AIM 9M AND TRAINERS, P/N 639AS751	NO HERO REQ.
GW90	G	SWIVEL, DOUBLE RING, F/MINES MK 25, 36, 52, 55, 56	NO HERO REQ.
G104	A	FUZE, BOMB, TAIL, MK 376 MOD 0, ELECTRIC, IMPACT, SHIPPED 6 PER METAL CONTAINER NSN 1325-00-106-6136 P/N 2499578	SUSCEPTIBLE
G212	A	DELAY ELEMENT, FUZE, BOMB, M9, NON-DELAY	NO HERO REQ.
G213	A	DELAY ELEMENT, FUZE, BOMB, M9, .01 SEC DELAY	NO HERO REQ.
G214	A	DELAY ELEMENT, FUZE, BOMB, M9, .025 SEC DELAY	NO HERO REQ.

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G261	A	LUG, SUSP, BOMB, MAU-76, DOUBLE, F/GP BOMB MK 81, MK 82, MK 83 AND FIRE BOMB MK 79 MOD 1 NSN 1325-00-116-4452 P/N MS3314	NO HERO REQ.
G263	A	LUG, SUSP, BOMB, MK 14 MOD 0	NO HERO REQ.
G382	A	TARGET DETECTING DEVICE, MK 43 MOD 0/M20A1, F/M990, MK 344 AND MK 376 FUZES	SUSCEPTIBLE
G811	L	BODY, PRACTICE HAND GRENADE F/M69	NO HERO REQ.
G826	L	GRENADE, LAUNCHER, SMOKE, IR SCREENING, M76 PKG 4 PER M2A1 METAL CONTAINER NSN 1330-01-171-8869 P/N E13-19-150 OR B13-19-216	SUSCEPTIBLE
G841	X	CARTRIDGE, GRENADE XM195 OR M195, F/RIFLE, 5.56 MM M16 OR M16E1	NO HERO REQ.
G874	L	FUZE, HAND GRENADE, BURNING TYPE, M201 SERIES	NO HERO REQ.
G878	L	FUZE DELAY, M228, FOR M69 PRACTICE HAND GRENADE	NO HERO REQ.
G881	P	GRENADE, HAND, FRAG, M67	NO HERO REQ.
G895	L	GRENADE, HAND, ILLUMINATING	NO HERO REQ.
G900	L	GRENADE, HAND, INCENDIARY, AN-M14 SERIES NSN 1330-00-219-8557 P/N 13-7-3 OR 13-17-3	NO HERO REQ.
G924	L	GRENADE, HAND, RIOT, CS1, M25A2	NO HERO REQ.
G930	P	GRENADE, HAND, SMOKE, WHITE, HC, AN-M8 SERIES NSN 1330-00-171-3112 P/N 13-19-32 NSN 1330-00-219-8511 P/N 13-19-32 NSN 1330-00-540-7622 P/N 13-19-32	NO HERO REQ.
G940	L	GRENADE, HAND, SMOKE, GREEN, M18 SERIES NSN 1330-00-289-6851 P/N 13-19-37 NSN 1330-00-540-9147 P/N D13-19-37	NO HERO REQ.
G945	L	GRENADE, HAND, SMOKE, YELLOW, M18 SERIES NSN 1330-00-289-6854 P/N 13-19-37 NSN 1330-00-540-9145 P/N D13-19-37	NO HERO REQ.
G950	L	GRENADE, HAND, SMOKE, RED, M18 SERIES	NO HERO REQ.
G955	L	GRENADE, HAND, SMOKE, VIOLET, M18 SERIES NSN 1330-00-289-6853 P/N 13-19-37 NSN 1330-00-540-7185 P/N D13-19-37	NO HERO REQ.

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G963	L	GRENADE, HAND, RIOT, CAPSULED CS, ABC-M7A2 OR PELLETT CS, M7A3	NO HERO REQ.
G982	L	GRENADE, HAND, PRACTICE, SMOKE, BURNING TIME 55 SEC NSN 1330-01-380-0287 P/N 13-19-700 AND 13-19-707	NO HERO REQ.
HA03	J	ROCKET MOTOR, MK 66 MOD 2, 2.75-INCH W/SRA SUPPORT W/PROPELLANT GRAIN MK 90 MOD 0 AND MK 125 MOD 5 IGNITER NSN 1340-01-416-1878 233AS500-1 IN METAL CONTAINER NSN 1340-01-416-1887 233AS500-1 IN METAL CONTAINER	SUSCEPTIBLE
HA06	J	WARHEAD, IR, M278 FOR 2.75-INCH ROCKET, SHIPPED 4 PER PA69 METAL CONTAINER	NO HERO REQ.
HA07	J	ROCKET MOTOR, 2.75-INCH, MK 66 MOD 4, W/IGNITER MK 311 MOD 0, 4 PER MK 706 MOD 0 METAL CONTAINER NSN 1340-01-424-5819 P/N 233AS900	SAFE
HA28	J	ROCKET MOTOR CLUSTER, 2.75-INCH MK 66 MOD 4 (HA07), 7 MK 66 MOD 4 ROCKET MOTORS IN LAU-68D/A LAUNCHER NSN 1340-01-492-5759 P/N 233AS944	SAFE
HW01	J	BARRIER ASSY, THERMAL ELECTROMAGNETIC SHIELD F/LAU-61B/A AND LAU-61C/A LAUNCHERS	NO HERO REQ.
HW02	J	BARRIER ASSY, THERMAL ELECTROMAGNETIC SHIELD F/LAU-68D/A LAUNCHER	NO HERO REQ.
HW49	J	SHIELD, THERMAL, F/LAU 10D/A LAUNCHER	NO HERO REQ.
HX02	L	BOX, AMMO, MTL, M548, F/RKT PRAC 35 MM DODIC H708 AND H709 NSN 8140-00-739-0233 P/N 7258943	NO HERO REQ.
HX05	L	ROCKET ASSAULT (SMAW) ENCASED, 83 MM, DUAL MODE, MK 3 MOD 0 WITH RKT MK 1 MOD 0 C/O RKT MTR MK 115 MOD 0, IGNITER MK 303 MOD 0, WHD MK 121 MOD 0, FUZE MK 420 MOD 0. PKG 1 RKT AND 6 RDS 9MM IN MAGAZINE IN FIBERGLASS TUBE, 3 TUBES PER BARRIER BAG NSN 1340-01-158-0577 P/N 82A5027A2000	SAFE

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
HX06	L	ROCKET, ASSAULT, ENCASED, 83 MM, HEAA (SMAW) MK 6 MOD 0, PKGD 1 RKT AND 6 RDS 9MM IN MAGAZINE, 3 RKTS AND 18 RDS IN STYROFOAM CNTR OVERPACKED IN BARRIER BAG, 2 CNTRS PER BOX NSN 1340-01-227-8870 P/N 82A5027A2730	SAFE
HY71	J	WARHEAD, 2.75-INCH ROCKET, WDU-4A/A, FLECHETTE NSN 1340-00-124-4193 P/N 67D9700	NO HERO REQ.
H121	J	LAUNCHER, LAU-61C/A, 2.75 IN. ROCKET, THERMALLY PROTECTED NSN 1340-01-144-3436 P/N DL958AS120	NO HERO REQ.
H122	J	LAUNCHER, LAU-68D/A, 2.75 IN.ROCKET, THERMALLY PROTECTED NSN 1340-01-144-3435 P/N DL958AS150	NO HERO REQ.
H142	J	LAUNCHER, LAU-10D/A, EMPTY, THERMALLY PROTECTED	NO HERO REQ.
H308	J	ROCKET MOTOR, 2.75 INCH MK 66 MOD 0 INERT ASSY, W/O IGNITER NSN 1340-01-307-2678 P/N 233AS341	NO HERO REQ.
H311	J	ROCKET MOTOR, RATO, MK 125 MOD 1, FOR SHORT RANGE RPV, 1 PER METAL DRUM NSN 1340-01-281-1720 P/N 1487-3	SAFE
H340	J	ROCKET MOTOR, JATO, MK 6 MODS 1 AND 2, 15-KS-1000, W/O IGNITER NO REQUIREMENT; W/IGNITER MK 165 MOD 0 (H403) SUSCEPTIBLE NSN 1340-01-454-0090 P/N DL200087	NO HERO REQ.
H388	J	IGNITER, ROCKET MOTOR MK 309 MOD 0	SAFE
H403	J	IGNITER, ROCKET MOTOR, MK 165 MODS, F/15-KS-1000 (MK 6) NSN 1340-01-465-3149 P/N 1990645 REV A	SUSCEPTIBLE
H567	J	ROCKET MOTOR CLUSTER, 5.00 IN. 4 MTRS MK 71 MOD 1/LAU-10D/A THERMALLY PROTECTED NSN 1340-00-361-2351 P/N 4902323	SUSCEPTIBLE
H663	J	WARHEAD, 2.75 INCH ROCKET, WTU-1/B, PRACTICE, INERT LOADED NSN 1340-00-111-3432 P/N 2618015	NO HERO REQ.
H708	L	ROCKET, PRACTICE, 35 MM, SUBCALIBER, XM73	NO HERO REQ.
H812	J	WARHEAD, 2.75 INCH ROCKET, M257, ILLUMINATING, 12-SHEAR PIN	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
H842	J	WARHEAD, 2.75 INCH ROCKET, M151, HE, W/FUZE M427E1	NO HERO REQ.
H892	J	WARHEAD, 2.75 INCH ROCKET, MK 67 MOD 1, SMOKE, RP, W/MK 352 PD FUZE	NO HERO REQ.
H893	J	WARHEAD, 2.75 INCH ROCKET, MK 67 MOD 1, SMOKE, RP, W/M427 PD FUZE	NO HERO REQ.
H930	J	WARHEAD, 5.00 INCH ROCKET, MK 24 MODS, HE NSN 1340-00-816-0514 P/N 656560 NSN 1340-00-789-5540 P/N 656560	NO HERO REQ.
H931	J	WARHEAD, 5.00 INCH ROCKET, MK 32 MOD 0, HE NSN 1340-00-630-4119 P/N 656891	NO HERO REQ.
H945	J	WARHEAD, 5.00 INCH ROCKET, MK 6 MODS, PRACTICE, INERT LOADED MODIFIED F/ZUNI NSN 1340-00-110-5145 P/N 1366054	NO HERO REQ.
JW01	O	PALLET MATERIAL HANDLING MK 3 MOD 0 STEEL 40 X 48	NO HERO REQ.
JW02	O	PALLET, MATERIAL HANDLING MK 12 MOD 0 STEEL, 45 1/2 X 35	NO HERO REQ.
JW04	O	PALLET ADAPTER, COMPLETE MK 11 MOD 1 F/TWELVE 5-IN PROJ OR RKT HDS	NO HERO REQ.
JW10	O	PALLET, BOMB, COMPLETE MK 9 MOD 0 STL F/SIX 500 LB BOMB MK 82 MODS	NO HERO REQ.
JW14	O	PALLET BOMB, MK 9 MOD 0 MODIFIED F/THERMALLY PROTECTED BOMB MK 82	NO HERO REQ.
JW15	O	PALLET BOMB, COMPLETE, MK 11 MOD 0 STL, F/THREE 1000 LB BOMB MK 83 MODS	NO HERO REQ.
JW18	O	PALLET, LOADING AND STORAGE, BOMB MHU-122/E	NO HERO REQ.
J106	X	ROCKET MOTOR, MK 40 MODS, 2.75 INCH NSN 2E-1340-00-935-6021 AMMO CODE X NSN 0T-1340-00-935-6021 NSN 2E-1340-00-953-8924 AMMO CODE X	SUSCEPTIBLE
KW61	V	CONTAINER, SHIPPING AND STORAGE, CNU-287/E, F/AIM-9L/H/G	NO HERO REQ.
K002	L	ACTIVATOR, ANTI-TANK MINE, PRACTICE, M1	NO HERO REQ.
K051	P	FUZE, MINE, ANTI-TANK, PRACTICE, M604	NO HERO REQ.

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K092	L	MINE, ANTI-PERS, M16 SERIES, BOUNDING	NO HERO REQ.
K143	L	MINE, ANTI-PERS, M18A1, NONBOUNDING, NONMETALLIC NSN 1345-00-710-6946 P/N 8837104 NSN 1345-00-166-6378 P/N 8835166	UNSAFE
K180	L	MINE, ANTI-TANK, HEAVY, HE, METALLIC, M15 NSN 1345-01-476-3055 P/N 82-0-189	NO HERO REQ.
K181	L	MINE, ANTI-TANK, HEAVY, HE, METALLIC, W/FZ, M607, M21 SERIES	NO HERO REQ.
K231	L	MINE, ANTI-TANK, PRACTICE, HEAVY, EMPTY, METALLIC, M20	NO HERO REQ.
K250	L	MINE, ANTI-TANK, HEAVY, HE, NONMETALLIC, M19 W/FZ M606	NO HERO REQ.
K765	L	RIOT CONTROL AGENT, CS, CAPSULE NSN 1365-01-464-9318	NO HERO REQ.
K867	L	SMOKE POT, FLOATING, HC, M4A2	NO HERO REQ.
K886	L	FUZE, SMOKE POT, ELECTRICAL, M209, F/USE WITH K869	UNSAFE
LA01	Y	FLARE, DECOY, MJU-32/B NSN 1370-01-413-7877 P/N 3306AS100	NO HERO REQ.
LA02	Y	FLARE, DECOY, MJU-38/B NSN 1370-01-413-6885 P/N 3407AS100	NO HERO REQ.
LA10	B	SIMULATOR, FLARE SM-875A/ALE NSN 1370-01-447-2580 P/N 3535AS100	NO HERO REQ.
LW02	B	BAND, SUSPENSION, F/MARKER, LOCATION, MK 58 MOD 0	NO HERO REQ.
LW04	A	SWIVEL AND RING ASSY, F/USE WITH ARMING WIRE ASSYS.	NO HERO REQ.
LW05	A	ARMING ADAPTER, FOR USE ON MK 80 SRS G.P.BOMBS IN AV-8A/C OR F/A-18 A/C, PKG 100/M19A1 AMMO BOX	NO HERO REQ.
LW25	B	PIN, SHEAR F/SUU-25F/A PARACHUTE FLARE DISPENSER, 1.25 IN LG.	NO HERO REQ.
LW29	B	SAFETY SWITCH ASSY, F/SUU-44/A FLARE DISPENSER	NO HERO REQ.
LW50	B	SHEAR PIN ASSY, USED W/MK 24, MK 45 A/C FLARE	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
LW60	Y	FLARE, DECOY, MK 46 MOD 1C F/ALE-29 CHAFF DISPENSER	NO HERO REQ.
LW62	Y	FLARE, DECOY MJU-8/B F/AN-ALE/29A DISPENSER	NO HERO REQ.
LY15	B	FLARE KIT, DISPENSER FOR FLARE DISPENSER SUU-25	NO HERO REQ.
LY53	B	COVER, PYROTECHNIC PROTECTION	NO HERO REQ.
LY57	B	PIN, SHEAR F/SUU-25F/A PARACHUTE FLARE DISPENSER, 1.00 IN LG	NO HERO REQ.
L103	X	BAND, SUSPENSION, PARACHUTE, F/MK 24 A/C FLARE NSN 1370-00-571-7641 P/N 2112843	NO HERO REQ.
L109	B	DISPENSER, FLARE SUU-44/A NSN 1370-00-169-7115 P/N 67A312J2	SUSCEPTIBLE
L111	B	DISPENSER ASSEMBLY, FLARE SUU-25F/A F/EIGHT LUU-2B/B FLARES NSN 1370-01-121-5860 P/N 8020305-10	SAFE
L118	B	SIGNAL KIT, ILLUMINATION, MK 79 MODS NSN 1370-00-866-9788 P/N 2150423 OR 1332188 (MOD 0) NSN 1370-01-230-3974 P/N 6136004 (MOD 2)	NO HERO REQ.
L258	B	SIGNAL, HAND FIRED, MK 80 MOD 0, MK 80 MOD 2 RED STAR NSN 1370-00-930-7746 P/N 615183 (MOD 0) NSN 1370-01-216-3243 P/N 6136000 (MOD 2)	NO HERO REQ.
L275	L	SIGNAL, SMOKE AND ILLUMINATION, MARINE, MK 13 MOD 0, DISTRESS, DAY AND NIGHT NSN 1370-00-115-3432 P/N 712793	NO HERO REQ.
L283	B	SIGNAL, SMOKE AND ILLUMINATION, MARINE MK 124 MOD 0, DISTRESS, DAY AND NIGHT NSN 1370-01-030-8330 P/N 3139734 NSN 1370-01-144-3561 P/N 3139734	NO HERO REQ.
L306	L	SIGNAL, ILLUMINATION, GROUND, RED, STAR CLUSTER, M158/T133E2 NSN 1370-00-756-2591 P/N 8797320-1 36 PER BOX NSN 1370-01-343-1966 P/N 8797320-1 24 PER MTL CONT	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STAT</u>
L307	L	SIGNAL, ILLUMINATION, GROUND, WHITE, STAR CLUSTER, M159/T137E2 NSN 1370-00-756-2588 P/N 8797320-2 36 PER WOODEN BOX NSN 1370-01-345-3000 P/N 8797320-2 24 PER METAL CONTAINER NSN 1370-01-345-4300 P/N 8797920 24 PER METAL CONTAINER	NO HERO REQ.
L311	L	SIGNAL, ILLUMINATION, GROUND, RED, STAR, PARACHUTE, M126 NSN 1370-00-629-2336 P/N 8797968 36 PER BOX NSN 1370-01-343-1965 P/N 8797968 24 PER MTL CONTAINER	NO HERO REQ.
L312	L	SIGNAL, ILLUMINATION, GROUND, WHITE, STAR, PARACHUTE, M127 NSN 1370-00-753-1859 P/N 8797968 36 PER BOX NSN 1370-01-341-5159 P/N 8797968 24 PER MTL CONTAINER	NO HERO REQ.
L314	L	SIGNAL, ILLUMINATION, GROUND, GREEN, STAR CLUSTER, M125 NSN 1370-00-629-2335 P/N 8797920 36 PER BOX NSN 1370-01-341-6283 P/N 8797920 24 PER MTL CONTAINER	NO HERO REQ.
L323	B	SIGNAL, SMOKE, GROUND, RED, PARACHUTE, M129A1 SERIES NSN 1370-00-301-1132 P/N 8797996	NO HERO REQ.
L324	L	SIGNAL, SMOKE, GROUND, GREEN, PARACHUTE, M128A1 SERIES NSN 1370-00-301-1131 P/N 8797996	NO HERO REQ.
L431	B	FLARE, AIRCRAFT, PARACHUTE LUU-2B(D-1)/B, DUMMY	NO HERO REQ.
L441	B	FLARE, PARACHUTE LUU-2B/B W/DROW/DROGUE TRAY LAU SUU-44/A	NO HERO REQ.
L477	B	FLARE, BALLISTIC, AERIAL TARGET, MK 33 MOD 0 NSN 1370-01-208-0686	NO HERO REQ.
L495	L	FLARE, SURFACE, TRIP, M49 SERIES	NO HERO REQ.
L540	B	SIMULATOR, FLARE, SM-875/ALE	NO HERO REQ.
L553	B	MARKER, LOCATION MARINE, MK 25 MOD 4 W/VENT FLOODING HOLES W/O ADAPTER KIT	SAFE

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L580	B	MARKER, LOCATION, MARINE MK 58 MOD 1, YELLOW FLAME WHITE SMOKE NSN 1370-01-074-0591 P/N 2141498 OR 3139741	SUSCEPTIBLE
L594	L	SIMULATOR, PROJECTILE, GROUND BURST, M115A2	NO HERO REQ.
L598	L	SIMULATOR, BOOBY TRAP, M117, FLASH NSN 1370-00-007-5562 P/N 78-0-120	NO HERO REQ.
L599	B	SIMULATOR, BOOBY TRAP, M118, ILLUM NSN 1370-00-008-7788 P/N 78-0-122	NO HERO REQ.
L601	L	SIMULATOR, HAND GRENADE, M116A1/M116E2	NO HERO REQ.
MD15	H	CORD, DETONATING, FCDC, NAVAIR DWG 857AS500-2, F/AH-1J ACFT	NO HERO REQ.
MD17	H	CORD, DETONATING, SMDC, NAVAIR DWG 857AS400-1, F/AH-1J ACFT	NO HERO REQ.
MD33	H	WINDOW CUTTING ASSY, PILOT'S WINDOW, F/AH-1J HELICOPTER	NO HERO REQ.
MD36	H	WINDOW CUTTING ASSY, PILOT'S DOOR, F/AH-1J HELICOPTER	NO HERO REQ.
MD58	H	CARTRIDGE, IMPULSE CCU-123/E FOR USE WITH LEA-20 EARTH ANCHOR. USES BLASTING CAP FOR INITIATION NSN 1377-01-390-0377	NO HERO REQ.
MD65	H	CARTRIDGE IMPULSE, CCU-45/B IN HERMETICALLY SEALED METAL CONTAINER NSN 1377-01-063-3162 OR 1377-01-063-3166 OR 1377-01-063-3167 P/N 5184830-2	SUSCEPTIBLE
MD66	H	CARTRIDGE, IMPULSE CCU-44/B IN HERMETICALLY SEALED CONTAINER NSN 1377-01-063-3161 P/N 5184850, 60 PER CONTAINER NSN 1377-01-063-3164 P/N 5184850, 80/CONT; 8 CONT PER BOX NSN 1377-01-063-3165 P/N 5184850, 10 PER CONTAINER	SUSCEPTIBLE
MF21	H	ROCKET MOTOR MK 79 MOD 1 SEAT BACK F/AV-8A AND TAV-8A HARRIER ACFT	NO HERO REQ.

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MF29	H	CARTRIDGE, IMPULSE CCU-63/B, 60 PER HERMETICALLY SEALED METAL CONTAINER NSN 1377-01-082-4175 P/N 842AS125	SUSCEPTIBLE
MF60	H	CARTRIDGE, IMPULSE, CCU-41/B	SUSCEPTIBLE
MF66	X	CARTRIDGE, IMPULSE CCU-69/A FOR TAKE UP REEL OF EJECTION SEAT NSN 1377-01-111-1239 P/N 726AS425	NO HERO REQ.
MF72	H	INITIATOR, PROPELLANT ACTUATED JAU-27/A F/F-18/TF-18, F-14, AND AV-8B AIRCRAFT	NO HERO REQ.
MF78	H	CARTRIDGE, IMPULSE CCU-33/A	NO HERO REQ.
MG29	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-827, F/AV-8B ACFT NSN 137-01-135-6924 P/N 841AS425-827	NO HERO REQ.
MG30	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-825, F/AV-8B ACFT NSN 1377-01-135-6925 P/N 841AS425-825	NO HERO REQ.
MG31	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-823, F/AV-8B ACFT	NO HERO REQ.
MG32	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-817, F/AV-8B ACFT	NO HERO REQ.
MG33	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-815, F/AV-8B ACFT	NO HERO REQ.
MG34	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-813, F/AV-8B ACFT	NO HERO REQ.
MG35	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-809, F/AV-8B ACFT	NO HERO REQ.
MG36	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-805, F/AV-8B ACFT	NO HERO REQ.
MG37	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-801, F/AV-8B ACFT	NO HERO REQ.
MG38	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-5, F/AV-8B ACFT	NO HERO REQ.
MG39	H	CORD, DETONATING, MDC, NAVAIR DWG 837AS119, F/AV-8B ACFT NSN 1377-01-135-6911 P/N 837AS119	NO HERO REQ.
MG40	H	CORD, DETONATING, MDC, NAVAIR DWG 837AS118, F/AV-8B ACFT	NO HERO REQ.

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MG67	H	ROCKET MOTOR ASSY MK 113 MOD 0 FOR A/TA-7 AIRCRAFT	NO HERO REQ.
MJ21	H	CARTRIDGE, IMPULSE CCU-92/A FOR TCU-3/A AND JAU-52 NSN 1377-01-211-7211 P/N 1512AS121	SAFE
MJ98	H	INITIATOR, CARTRIDGE ACTUATED, F/F-14, S-3, F AND TF-18 ACFT, SCOT P/N 6035100	NO HERO REQ.
ML03	L	FIRING DEVICE, DEMOLITION, MULTIPURPOSE, M142	NO HERO REQ.
ML04	E	CUTTER, POWDER ACTUATED MK 23 MOD 0, MOD 1 {EXROD}	NO HERO REQ.
ML05	E	CUTTER, POWDER ACTUATED MK 24 MOD 0, MOD 1 {EXROD}	NO HERO REQ.
ML07	H	CAP BLASTING, SHIELDED, ELECTRIC F/EARTH ANCHOR	SAFE
ML09	L	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATED, CH-6 LOADED {20 GRAINS PER FT}	NO HERO REQ.
ML10	E	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 30 GR/FT SMALL	NO HERO REQ.
ML11	L	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, CH-6	NO HERO REQ.
ML12	E	CHARGE, DEMOLITION, SHAPED FLEXIBLE, LINEAR 60 GR/FT SMALL	NO HERO REQ.
ML13	E	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR 75 GR/FT SMALL	NO HERO REQ.
ML14	E	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR 125 GR/FT	NO HERO REQ.
ML15	E	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 225 GR/FT	NO HERO REQ.
ML16	L	CHARGE DEMOLITION, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, CH-6 LOADED {300 GRAINS PER-FT}	NO HERO REQ.
ML17	E	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 400 GR/FT	NO HERO REQ.
ML18	E	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINER 500 GR/FT	NO HERO REQ.
MM27	L	CHARGE, DEMOLITION, EXPLOSIVE SHEET (DETA SHEET) 2 GRAMS/SQ IN	NO HERO REQ.

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MM28	L	CHARGE, DEMOLITION, EXPLOSIVE SHEET (DETA SHEET), 3 GRAMS /SQ.IN	NO HERO REQ.
MM29	L	CHARGE, DEMOLITION, EXPLOSIVE SHEET (DETA SHEET), 4 GRAMS /SQ IN	NO HERO REQ.
MM30	E	CHARGE, DEMOLITION MK 140 MOD 0, FLEXIBLE, 20 GRAM NSN 1375-01-281-8696 P/N 6545554	NO HERO REQ.
MM31	L	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 30 GRAINS RDX PER FOOT, EACH CHG 6 FOOT LONG	NO HERO REQ.
MM32	L	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED 40 GRAINS RDX PER FT. EACH CHG 6 FT LONG	NO HERO REQ.
MM33	L	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 60 GRAINS RDX PER FT, EACH CHG 6 FT LONG.	NO HERO REQ.
MM38	L	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 225 GRAINS CH-6/FT, EACH CHG 6 FT LONG	NO HERO REQ.
MM41	L	CHARGE DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 6 FOOT LONG WITH 30 GRAINS CH-6 PER FOOT	NO HERO REQ.
MM42	L	CHARGE DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 6 FT LONG WITH 40 GRAINS CH-6 PER FOOT	NO HERO REQ.
MM43	L	CHARGE DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 6 FOOT LONG WITH 60 GRAINS CH-6 PER FOOT	NO HERO REQ.
MM44	L	CHARGE DEMOLITION, SHAPED FLEXIBLE, LINEAR, 6 FT LONG WITH 75 GRAINS CH-6 PER FOOT	NO HERO REQ.
MM45	L	CHARGE DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 6 FOOT LONG WITH 125 GRAINS CH-6 PER FOOT	NO HERO REQ.
MM46	L	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 225 GRAINS CH-6 PER FT, EACH CHARGE 6 FT LONG	NO HERO REQ.
MM47	L	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 400 GRAINS RDX PER FT, EACH CHG 6 FT LONG	NO HERO REQ.
MM48	L	CHARGE DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 6 FOOT LONG WITH 600 GRAINS CH-6 PER FOOT.	NO HERO REQ.
MM51	L	CHARGE, DEMOLITION, LOW HAZARD FLEXIBLE LINEAR SHAPED MK 143 MOD 0, 600 GRAINS/FOOT	NO HERO REQ.

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MM52	E	CHARGE, DEMOLITION, LOW HAZARD FLEXIBLE LINEAR SHAPED MK 144 MOD 0, 1200 GRAINS/FOOT	NO HERO REQ.
MM53	E	CHARGE, DEMOLITION, MK 145 MOD 0 LOW HAZARD FLEXIBLE LINEAR SHAPED, 2400 GRAINS/FOOT	NO HERO REQ.
MM54	E	CHARGE, DEMOLITION, MK 149 MOD 0 LOW HAZARD FLEXIBLE LINEAR SHAPED, 5400 GRAINS/FOOT	NO HERO REQ.
MM55	E	DETONATOR, NONELECTRIC MK 120 MOD 0, 100 FOOT SHOCK TUBE LEAD	NO HERO REQ.
MM56	E	DETONATOR, NONELECTRIC, MK 123 MOD 0, DUAL 100-FOOT SHOCK TUBE LEADS	NO HERO REQ.
MM93	E	INITIATOR, PYROTECHNIC LEAD MK 23 MOD 0	NO HERO REQ.
MT05	H	INITIATOR, CARTRIDGE ACTUATED JAU-58/A	NO HERO REQ.
MT23	H	CARTRIDGE, AIRCRAFT FIRE EXTINGUISHER, FOR CH-53E AND MH-53E HELICOPTER NSN 1377-00-140-2651 P/N 876561	SUSCEPTIBLE
MT85	H	CARTRIDGE, IMPULSE CCU-109/A FOR LANDING GEAR BLOWDOWN ON AV-8B AIRCRAFT NSN 1377-01-209-9635 P/N 837AS175	SUSCEPTIBLE
MT95	H	CARTRIDGE, IMPULSE CCU-107/B F/AIRCRAFT STORES SEPARATION. SHIPPED IN HERMETICALLY SEALED METAL CONTAINER. NSN 1377-01-364-7322 P/N 6260802	SUSCEPTIBLE
MU42	L	CORD, DETONATING, PETN, W/POLYETHYLENE OVER-EXTRUSION, COLOR CLEAR, 100 GRAIN PETN PER FT	NO HERO REQ.
MU44	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-933 F/AV-8B ACFT	NO HERO REQ.
MU45	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-935 F/AV-8B ACFT	NO HERO REQ.
MU46	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-937 F/AV-8B ACFT	NO HERO REQ.
MW08	H	PLUG, FILLER, CARTRIDGE, F/AER0 7A AND 27/A BOMB DISPENSER	NO HERO REQ.
MW18	H	CORD, DETONATING, SET, SMDC, NAVAIR DWG 837AS122, F/AV-8B ACFT	NO HERO REQ.

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MW19	H	CARTRIDGE ASSEMBLY F/SEAWARS NSN 1377-01-170-1407 P/N 851AS275	SAFE
MW40	H	THERMAL BATTERY, CARTRIDGE ACTUATED, FOR F-4, QF-4 ACFT NSN 6135-00-491-7429 P/N 628AS100	NO HERO REQ.
MW49	E	CONNECTOR, DETONATING CORD, PLASTIC NSN 1377-01-316-5558 P/N 2995437L	NO HERO REQ.
MW83	A	CONTAINER, SHIPPING AND STORAGE, CNU-238/E, MULTI-PURPOSE, F/TWO CLUSTER BOMBS	NO HERO REQ.
MW93	Y	CHAFF, COUNTERMEASURES RR-179/ALE-43 NSN 5865-01-075-4799 P/N 39-0830-006 OR MIL-C-85691	NO HERO REQ.
MW98	H	BATTERY, MANGANESE DIOXIDE BA-3001/U	NO HERO REQ.
M015	H	CARTRIDGE, IMPULSE, MK 24 MOD 0 F/SH-3H, UH-3H, and CH-53E, MH-53E, AND NMH-53E AIRCRAFT NSN 1377-00-630-9597 P/N 2518431 (4 PER METAL CONTAINER) NSN 1377-01-301-3791 P/N 2518431 (1 PER METAL CONTAINER)	SUSCEPTIBLE
M023	L	CHARGE, DEMOLITION, BLOCK, M112, COMP C-4, 1-1/4 LB NSN 1375-00-724-7040 P/N 9204248 NSN 1375-01-330-0749 P/N 9204248 NSN 1375-01-389-3854 P/N 9204248-1	NO HERO REQ.
M024	L	CHARGE, DEMOLITION M118 PETN 2 LB BLOCK NSN 1375-00-728-5941 P/N 9204247	NO HERO REQ.
M028	L	DEMOLITION KIT, BANGALORE TORPEDO, M1A2	NO HERO REQ.
M030	L	CHARGE, DEMOLITION, BLOCK, TNT, 1/4 LB	NO HERO REQ.
M031	L	CHARGE, DEMOLITION, BLOCK, TNT, 1/2 LB NSN 1375-00-028-5140 P/N 8885245 NSN 1375-00-926-9316 P/N 8885245 NSN 1375-01-329-7175 P/N 8885245	NO HERO REQ.
M032	E	CHARGE, DEMOLITION, BLOCK, TNT, 1 LB NSN 1375-00-028-5142 P/N 82-13-24 NSN 1375-00-529-7701 P/N 8885249 NSN 1375-00-935-6139 P/N 8885249	NO HERO REQ.

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M039	L	CHARGE, DEMOLITION, CRATERING, AMMONIA NITRATE, 40 LB	NO HERO REQ.
M097	L	CAP, BLASTING, NON-ELECTRIC, INERT NSN 1375-00-784-8043 P/N 8864810	NO HERO REQ.
M098	L	CAP, BLASTING, ELECTRIC, INERT NSN 1375-00-783-8040 P/N 8865211	NO HERO REQ.
M130	L	CAP, BLASTING, SPECIAL, ELECTRIC, J2/M6. ALL VERSIONS BUT NSN 1375-00-028-5224, 1375-00-028-5225, AND 1375-00-756-1865 ARE SHIPPED IN METAL CONTAINERS. ITEMS IN SEALED METAL CONTAINERS REQUIRE NO RESTRICTIONS DURING TRANSPORTATION AND STORAGE. THE FOLLOWING NSNS ARE SHIPPED IN METAL CONTAINERS: 1375-00-283-9442, 1375-00-889-2003, 1375-01-192-9174, AND 1375-01-316-1229	SUSCEPTIBLE
M131	E	CAP, BLASTING, SPECIAL, NON-ELECT NSN 2T 1375-00-028-5226 P/N 393652 (OBSOLESCE) NSN 0T 1375-00-028-5226 P/N 393652 NSN 1375-00-028-5227 P/N 393652 NSN 1375-00-028-5228 P/N 393652 (OBSOLESCE) NSN 1375-00-283-9440 P/N 8830948 NSN 1375-00-370-3519 P/N 8830948 NSN 1375-00-756-1864 P/N 8830948 NSN 1375-01-057-6439 P/N 8830948 NSN 1375-01-193-2976 P/N MIL-C-45469 NSN 1375-01-315-1335 P/N 12929271	NO HERO REQ.
M162	H	CARTRIDGE, IMPULSE F/CH-46A AND -46D HELICOPTER NSN 1377-00-364-4680 P/N 2518426 1 PER CAN NSN 1377-00-999-7463 P/N 2518426 4 PER CAN	SUSCEPTIBLE
M168	L	CARTRIDGE, CAL.22 POWDER ACTUATED TOOL, CHARGE NO.2, BROWN WAD	NO HERO REQ.
M171	L	CARTRIDGE, CAL.22 POWDER ACTUATED TOOL, CHARGE NO.3 GREEN WAD	NO HERO REQ.
M172	L	CARTRIDGE, CAL.22 POWDER ACTUATED TOOL, CHARGE NO.4, YELLOW WAD NSN 1377-00-480-2718 P/N 42CW	NO HERO REQ.

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M174	L	CARTRIDGE, IMPULSE, ELECT INITIATED, NAVORD DWG. NO. LD416875, .50 CAL FOR EOD USE. SHIPPED IN METAL BOX. NSN 1385-00-512-2886 P/N DL2193702 NSN 1385-00-605-0253 P/N DL2193702-12 NSN 1385-00-896-3694 P/N DL2193702	SUSCEPTIBLE
M190	H	CARTRIDGE, IMPULSE, MK 2 MOD 1 NSN 1377-00-103-3434 P/N 1283661 10 PER PACKAGE NSN 1377-00-293-8184 P/N 1283661 65 PER PACKAGE NSN 1377-00-512-2864 P/N 1283661 52 PER PACKAGE	SUSCEPTIBLE
M193	H	CARTRIDGE, AIRCRAFT FIRE EXTINGUISHER NSN 1377-00-930-9390 P/N 2519614 OR 30903823 OR 13083-5	SUSCEPTIBLE
M327	L	COUPLING BASE, FIRING DEVICE, W/PRIMER W/ M27 PRIMER NSN 1375-00-038-5280 P/N 1773626 W/ M39A1 PRIMER NSN 1375-00-699-5236 P/N 8837262	NO HERO REQ.
M359	H	CARTRIDGE IMPULSE, OEA P/N 2197200, SCD-32-72321-5, F-4 AIRCRAFT FORWARD CANOPY THRUSTER NSN 1377-00-412-3205 P/N 2197200 OR 626AS100	SAFE
M363	H	CARTRIDGE, IMPULSE MK 124 MOD 0. 40 PER METAL CONTAINER NSN 1377-00-193-8832 P/N 2838195	SUSCEPTIBLE
M365	H	CARTRIDGE, IMPULSE MK 1 MOD 3 FOR REFUELING GUILLOTINE. 4 CTG PER METAL CONTAINER NSN 1377-00-293-8183 P/N 1283660	SUSCEPTIBLE
M397	H	CARTRIDGE SET, IMPULSE W/REDUCED PRIMARY CARTRIDGE NSN 1377-00-845-5242 P/N 2519696	NO HERO REQ.
M420	L	CHARGE, DEMOLITION, SHAPED, M2 SERIES, 15 LB NSN 1375-00-028-5237 P/N 8858382 0T/2T COG NSN 1375-01-023-7994 P/N 8861565 0T/2T COG	NO HERO REQ.
M421	L	CHARGE, DEMOLITION, SHAPED, M3, 40 LB	NO HERO REQ.

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M456	L	CORD, DETONATING, REINFORCED NSN 1375-00-028-5168 P/N MIL-C-17124 NSN 1375-00-180-9356 P/N MIL-C-17124 NSN 1375-00-180-9410 P/N MIL-C-17124 NSN 1375-00-204-0851 P/N MIL-C-17124 NSN 1375-00-310-2677 P/N MIL-C-17124 NSN 1375-01-083-0699 P/N 2114302-5 NSN 1375-01-083-0700 P/N 2114302-6 NSN 1375-01-332-9665 P/N 2114302-7	NO HERO REQ.
M474	L	CONTAINER, DEMOLITION CHARGE MK 1 MOD 0, EMPTY	NO HERO REQ.
M475	L	CONTAINER, DEMOLITION CHARGE MK 2 MODS, EMPTY	NO HERO REQ.
M476	L	CONTAINER, DEMOLITION CHARGE MK 3 MODS, EMPTY	NO HERO REQ.
M477	L	CONTAINER, DEMOLITION CHARGE MK 7 MOD 1, EMPTY	NO HERO REQ.
M478	L	CONTAINER, DEMOLITION CHARGE MK 7 MOD 2, EMPTY	NO HERO REQ.
M479	L	CONTAINER, DEMOLITION CHARGE MK 7 MOD 3, EMPTY	NO HERO REQ.
M480	L	CONTAINER, DEMOLITION CHARGE MK 7 MOD 4, EMPTY	NO HERO REQ.
M481	L	CONTAINER, DEMOLITION CHARGE MK 7 MOD 5, EMPTY	NO HERO REQ.
M482	L	CONTAINER, DEMOLITION CHARGE MK 7 MOD 6, EMPTY	NO HERO REQ.
M483	L	CONTAINER, DEMOLITION CHARGE MK 7 MOD 7, EMPTY NSN 1375-01-077-4379 P/N 795510-7	NO HERO REQ.
M484	L	CONTAINER, DEMOLITION CHARGE MK 7 MOD 8, EMPTY	NO HERO REQ.
M487	L	CONTAINER, DEMOLITION CHARGE, MK 8 MOD 1, EMPTY	NO HERO REQ.
M520	H	CARTRIDGE, IMPULSE F/GUILLOTINE, PARACHUTE WITHDRAWAL LINE NSN 1377-00-793-9928 P/N LD534533 NSN 1377-00-883-8998 P/N 2519698	NO HERO REQ.
M535	H	CARTRIDGE, IMPULSE, MK 67 MOD 0	SUSCEPTIBLE
M571	H	CARTRIDGE, IMPULSE, GAS GENERATOR, NSN 1377-00-245-2959 P/N 36120 OR 294AS100	NO HERO REQ.
M587	L	DYNAMITE, GELATIN, 40 PERCENT, PART OF CANINE SCENT KIT NSN 1375-00-096-3095 P/N R70JA	NO HERO REQ.

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M591	L	DYNAMITE, MILITARY, M1 1375-00-724-9613	NO HERO REQ.
M596	H	INITIATOR CARTRIDGE ACTUATED DELAY JAU-13/A, F/AV-8A AIRCRAFT NSN 1377-00-006-7879 P/N 834AS100	NO HERO REQ.
M597	H	INITIATOR CARTRIDGE ACTUATED DELAY JAU-14/A, F/AV-8A AIRCRAFT NSN 1377-00-006-7880 P/N 834AS150	NO HERO REQ.
M626	E	FIRING DEVICE, DEMOLITION, PRESSURE TYPE, M1/M1A1 NSN 1375-00-007-5564 P/N 73-9-70-1 (M1A1) NSN 1375-00-028-5178 (M1) NSN 1375-00-028-5179 (M1A1)	NO HERO REQ.
M627	L	FIRING DEVICE, DEMOLITION, PRESSURE RELEASE TYPE, M5 NSN 1375-00-007-5563 P/N 73-9-61A NSN 1375-00-028-5190 (PACKED AS REQUIRED) NSN 1375-00-028-5192 (200 PER WOODEN BOX)	NO HERO REQ.
M630	L	FIRING DEVICE, DEMOLITION, PULL TYPE, M1	NO HERO REQ.
M647	H	CARTRIDGE, IMPULSE ANEROID, F/AV-8A HARRIER A/C NSN 1377-00-006-7878 P/N 772AS200	NO HERO REQ.
M666	H	CARTRIDGE IMPULSE, F/EA/6B A/C MB 200-252	NO HERO REQ.
M670	L	FUSE, BLASTING, TIME, EXPLOSIVE LOADED NSN 1375-00-028-5149 P/N MIL-F-45144A NSN 1375-00-028-5151 P/N MIL-F-45144A NSN 1375-00-028-5152 P/N MIL-F-45144A NSN 1375-00-028-5246 P/N MIL-F-45144A NSN 1375-00-167-3856 P/N MIL-F-45144A NSN 1375-00-262-1674 P/N MIL-F-45144A	NO HERO REQ.
M688	H	INITIATOR, CARTRIDGE ACTUATED, M99 FORMERLY T30E1	NO HERO REQ.
M689	H	INITIATOR, CARTRIDGE ACTUATED, M53 FORMERLY T31	NO HERO REQ.
M690	H	INITIATOR, CARTRIDGE ACTUATED NSN 1377-00-542-0292 P/N 8595821 M3A2 NSN 1377-00-932-5031 P/N 8595821 M3A2 NSN 1377-00-926-1901 P/N 10524101 M73	NO HERO REQ.
M720	H	INITIATOR, CARTRIDGE ACTUATED, W/CARTRIDGE, INSTANTANEOUS, NSN 1377-00-245-2963 P/N 2130300	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
M757	L	CHARGE ASSY, DEMOLITION, M183 NSN 0T-1375-00-926-3985 OR NSN 2T-1375-01-398-0060	NO HERO REQ.
M766	X	IGNITER, TIME BLASTING FZ, M2, M60/T2, PULL WIRE TYPE, WEATHERPROOF NSN 1375-00-028-5199 P/N 79-9-62 0T/2T COG NSN 1375-00-028-5200 P/N 79-9-62 2T COG NSN 1375-00-283-9452 P/N 2128181 NSN 1375-00-691-1671 P/N 8822497	NO HERO REQ.
M783	H	CARTRIDGE, IMPULSE, F/F-14 ACFT, NSN 1377-00-193-4910 DWG A51D9000-145 OR 664AS100	NO HERO REQ.
M928	X	ROCKET MOTOR, MK 82 MOD 0 NSN 1377-01-229-1922 P/N 944AS200	NO HERO REQ.
M933	H	ROCKET MOTOR MK 92 MOD 0 AIRCRAFT F/F-4 AIRCRAFT NSN 1377-00-119-2055 P/N 4904216 NSN 1377-01-036-8514 P/N 1175AS100	NO HERO REQ.
M938	H	ROCKET MOTOR MK 86 MOD 0, F/EA-6B AIRCRAFT	NO HERO REQ.
M939	H	ROCKET MOTOR MK 87 MOD 0, F/EA-6B AIRCRAFT	NO HERO REQ.
M940	H	ROCKET MOTOR MK 88 MOD 0, F/EA-6B AIRCRAFT	NO HERO REQ.
M980	L	CHARGE, DEMOLITION, EXPLOSIVE SHEET, 38 FT ROLL	NO HERO REQ.
M981	L	CHARGE, DEMOLITION EXPLOSIVE, SHEET 25 FT ROLL	NO HERO REQ.
M982	L	CHARGE DEMOLITION, EXPLOSIVE SHEET, 19 FT ROLL NSN 1375-01-444-1562 P/N 2114203 NSN 1375-01-036-0445 P/N 3139754	NO HERO REQ.
NW20	Y	CHAFF, COUNTERMEASURES, RR129A/L, F/ALE 29/29A DISPENSER	NO HERO REQ.
NW33	Y	CHAFF, COUNTERMEASURES, RR144A/L, F/ALE 29A DISPENSER	NO HERO REQ.
NW40	X	CHAFF, COUNTERMEASURES, RR171/AL, F/AN/ALE 41 DISPENSER NSN 5865-00-522-6238 P/N 1050AS158	NO HERO REQ.
N278	L	FUZE, MECH TIME, SQ, M564/T197 SERIES NSN 1390-00-889-2044 P/N 8864492	NO HERO REQ.
N286	L	FUZE, MECHANICAL TIME AND SUPERQUICK, M582, /XM582E2	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
N289	L	FUZE, ELECTRONIC TIME, M762, W/O BOOSTER	SAFE
N290	L	FUZE, ELECTRONIC TIME AND POINT DETONATE, M767 F/155 MM OR 4.2-INCH MORTAR, OR 8-INCH HOWITZER PROJECTILES	SAFE
N291	L	FUZE, PROXIMITY M732A2 F/105 MM, 155 MM, 175 MM, AND 8-INCH GUN PROJECTILES, 8 PER M2A1 METAL BOX NSN 1390-01-309-6452 P/N 11742612	SAFE
N340	Q	FUZE, POINT DET, XM739 .05 SEC SELECTIVE DELAY	NO HERO REQ.
N523	L	PRIMER, PERCUSSION, M82 SERIES	NO HERO REQ.
N659	R	FUZE, PD MK 399 MOD 1 NSN 1390-01-263-8046 P/N 5918048	NO HERO REQ.
PC91	V	GUIDED MISSILE, HELLFIRE, AGM-114B, W/SAFE ARM DEVICE NSN 1410-01-227-9468 P/N 13007357	SAFE
PE96	L	GUIDED MISSILE, SURFACE ATTACK, BGM-71E-1B (TOW 2A) OT 1410-01-300-0254 PL53 L GUIDED MISSILE, JAVELIN FGM-148/B SAFE NSN 1410-01-453-7226 NSN 1410-01-470-1615	SUSCEPTIBLE
PL87	L	GUIDED MISSILE SUBSYSTEM, STINGER, PARTIAL, FIM-92D, CONTAINS RMP MISSILE RD, 3 BATTERY COOLANT UNITS IN METAL CONTAINER NSN 1427-01-325-3160 P/N 13265738	SUSCEPTIBLE
PL95	L	GUIDED MISSILE SUBSYSTEM (STINGER-RMP) WEAPON ROUND (PARTIAL) C/O STINGER MISSILE ROUND AND 3 BATTERY-COOLANT UNITS IN A METAL CONTAINER, FIM-92C NSN 1427-01-230-8784 P/N 13252012	SUSCEPTIBLE
PM55	V	GUIDANCE AND CONTROL SECTION WGU-4A/B F/AIM-9M NSN 1427-01-114-2054 P/N 639AS3963	UNSAFE
PM69	V	GUIDANCE AND CONTROL SECTION, TACT, WGU-4E/B, F/SIDEWINDER 639AS3922-8, -9. P/N 639AS9150 NSN 1427-01-374-9334 P/N 639AS9150	UNSAFE
PM80	L	GUIDED MISSILE AND LAUNCHER, HEAT (DRAGON II)MK 1 MOD 0 SURFACE ATTACK, M222 NSN 1427-01-273-1228 P/N 86048A9000 W OR WO BARRIER BAG NSN 1427-01-406-4172 P/N 13496760 1 PER WOODEN CRATE	SUSCEPTIBLE

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
PN01	L	BATTERY COOLANT UNIT FOR FIM-92 NSN 1440-01-332-8131	SUSCEPTIBLE
PN16	L	GRIPSTOCK CONTROL GROUP, GUIDED MISSILE LAUNCHER, F/STINGER MISSILE-RMP FIM-92C, NSN 1440-01-233-1494 P/N 13251828	NO HERO REQ.
PU16	V	GUIDED MISSILE, BGM-71E-5B, TOW 2A AIR LAUNCHED 8E 1410-01-379-8260 P/N 13426588	SAFE
PU70	V	GUIDED MISSILE, TRAINING, SIDEWINDER, CATM-9M-12 NSN 1410-01-407-4707 P/N 639AS6160-12	SAFE
PV07	V	GUIDED MISSILE, TACT, HARM, AGM-88B, BLOCK III, DSU-19A/B W/WINGS AND FINS	SAFE
PV18	L	GUIDED MISSILE, BGM-71F, TOW 2B NSN 1410-01-322-5333 P/N 13296442	SUSCEPTIBLE
PV30	V	GUIDED MISSILE, AGM-114K, HELLFIRE, PKG 1 PER CNU-448/E NSN 1410-01-381-0715 P/N 13155079 OR 13415100	SAFE
PV42	V	GUIDED MISSILE, TRAINING, SIDEWINDER, NATM-9M-1, WITH WINGS AND FINS	SAFE
PV66	V	GUIDED MISSILE, TACTICAL, SIDEWINDER, AIM-9M-1, WITH WINGS AND FINS	SAFE
PV89	V	GUIDED MISSILE, TACTICAL, SIDEWINDER, AIM-9M-8, W/WINGS AND FINS NSN 1410-01-374-9708 P/N 639AS3922-8	SAFE
SS36	H	CARTRIDGE, IMPULSE, CCU-136/A, FOR USE IN DISPENSER ALE-47 AND AN/ALE-50 NSN 1377-01-442-5517 P/N 842AS205-1	SUSCEPTIBLE
SU01	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-845,	NO HERO REQ.
SU02	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-847, F/TAV-8B ACFT	NO HERO REQ.
SU03	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-849, F/TAV-8B ACFT	NO HERO REQ.
SU04	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-851, F/TAV-8B ACFT	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
SU05	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-853, F/TAV-8B ACFT	NO HERO REQ.
SU06	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-855, F/TAV-8B ACFT	NO HERO REQ.
SU07	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-857, F/TAV-8B ACFT	NO HERO REQ.
SU08	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-859, F/TAV-8B ACFT	NO HERO REQ.
SU09	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-861, F/TAV-8B ACFT	NO HERO REQ.
SU10	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-863, F/TAV-8B ACFT	NO HERO REQ.
SU11	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-865, F/TAV-8B ACFT	NO HERO REQ.
SU12	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-867, F/TAV-8B ACFT	NO HERO REQ.
SU13	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-869, F/TAV-8B ACFT	NO HERO REQ.
SU14	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-871, F/TAV-8B ACFT	NO HERO REQ.
SU15	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-873, F/TAV-8B ACFT	NO HERO REQ.
SU16	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-875, F/TAV-8B ACFT	NO HERO REQ.
SU17	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-877, F/TAV-8B ACFT	NO HERO REQ.
SU18	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-879, F/TAV-8B ACFT	NO HERO REQ.
SU19	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-881, F/TAV-8B ACFT	NO HERO REQ.
SU20	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-883, F/TAV-8B ACFT	NO HERO REQ.
SU21	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-885, F/TAV-8B ACFT	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
SU22	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-887, F/TAV-8B ACFT	NO HERO REQ.
SU23	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-889, F/TAV-8B ACFT	NO HERO REQ.
SU24	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-891, F/TAV-8B ACFT	NO HERO REQ.
SU25	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-893, F/TAV-8B ACFT	NO HERO REQ.
SU26	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-895, F/TAV-8B ACFT	NO HERO REQ.
SU27	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-897, F/TAV-8B ACFT	NO HERO REQ.
SU28	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-899, F/TAV-8B ACFT	NO HERO REQ.
SU30	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-903, F/TAV-8B ACFT	NO HERO REQ.
SU31	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-905, F/TAV-8B ACFT	NO HERO REQ.
SU32	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-907, F/TAV-8B ACFT	NO HERO REQ.
SU33	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-909, F/TAV-8B ACFT	NO HERO REQ.
SU34	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-911, F/TAV-8B ACFT	NO HERO REQ.
SU36	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-915, F/TAV-8B ACFT	NO HERO REQ.
SU38	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-919, F/TAV-8B ACFT	NO HERO REQ.
SU40	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-923, F/TAV-8B ACFT	NO HERO REQ.
SU41	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-925, F/TAV-8B ACFT	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
SU42	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-927, F/TAV-8B ACFT	NO HERO REQ.
SU43	H	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-929, F/TAV-8B ACFT	NO HERO REQ.
SU44	H	CORD, DETONATING, FCDC, NAVAIR DWG 837AS177, F/TAV-8B ACFT	NO HERO REQ.
SU45	H	CORD, DETONATING, FCDC, NAVAIR DWG 837AS178, F/TAV-8B ACFT	NO HERO REQ.
SU46	H	CORD, DETONATING, MDC, NAVAIR DWG 837AS179, F/TAV-8B ACFT	NO HERO REQ.
SU47	H	CORD, DETONATING, MDC, NAVAIR DWG 837AS180, F/TAV-8B ACFT	NO HERO REQ.
SU48	H	CORD, DETONATING, MDC, NAVAIR DWG 837AS181, F/TAV-8B ACFT	NO HERO REQ.
SU49	H	CORD, DETONATING, MDC, NAVAIR DWG 837AS182, F/TAV-8B ACFT	NO HERO REQ.
VW17	V	CONTAINER, MK 386 MOD 0, F/AIM-9D, 9G, 9H WARHEAD	NO HERO REQ.
VX99	L	SIMULATOR, STINGER LAUNCH {STLS} MISSILE IN MTL CONTAINER NSN 1410-01-173-9355 P/N 13049350	SUSCEPTIBLE
V468	V	ROCKET MOTOR, INERT, MK 57 MOD 3 F/ATM-9L/M, GDU-6C	NO HERO REQ.
WF20	V	GUIDED MISSILE, HARM, AGM-88B, BLOCK IIIA, DSU-19A/B, PKGD 2 PER CNU-355/E CONTAINER NSN 1410-01-465-4155 704AS109-1 OR 704AS109-5	SAFE
WF22	V	GUIDED MISSILE, HARM, AGM-88C-1, BLOCK V, DSU-19A/B PKGD 2 PER CNU-355/E NSN 1410-01-468-9113 P/N 704AS113-4001 NSN 1410-01-465-4190 P/N 704AS113-4003	SAFE
WW38	V	CONTAINER CNU-333/E, EMPTY F/BGM-71A-1 {TOW} OR BTM-71C INERT NSN 8140-01-094-6942 P/N 1290AS100	NO HERO REQ.
XW36	H	CARTRIDGE, CATAPULT MK 205 MOD 1 F/TAV-8A, 8C, AV-8A, 8C A/C	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
XW37	A	ARMING WIRE COMPOSITE; F/MK 82 G.P.BOMBS; C/O 1 MK 9 MOD 0 ARMING WIRE ASSY, 1 SAFETY CLIP, 1 RING AND SWIVEL, AND 1 FERRULE	NO HERO REQ.
XW38	A	ARMING WIRE ACCESSORY KIT; C/O 500 SAFETY CLIPS, 500 RING AND SWIVEL ASSY:S, AND 500 FERRULES	NO HERO REQ.
XW40	A	CLIP, SAFETY FOR USE ON ARMING WIRE ASSEMBLIES	NO HERO REQ.
XW53	H	CONTROL, EXPLOSIVE SEQUENCE, DCU-241/A FOR TF-18 A/C	NO HERO REQ.
XW54	H	INITIATOR, EXPLOSIVE ACTUATED, JAU-23/A, 0.4 SEC DELAY F/TF-18 AIRCRAFT	NO HERO REQ.
XW59	X	KIT, WARHEAD MODIFICATION F/H911 WARHEAD NSN 1340-00-682-4694 P/N 1517465	NO HERO REQ.
XW71	H	SWITCH, EXPLOSIVE ACTUATED SWU-62/A, F/F-18, TF-18 AND AV-8B AIRCRAFT	NO HERO REQ.
XW77	H	ACTUATOR, MECHANICAL ATU-96/A, F/AV-8B A/C NSN 1377-01-135-6849 P/N 837AS120	NO HERO REQ.
XW78	H	INITIATOR, MECHANICAL ACTUATED JAU-32/A FOR CANOPY FRACTURING SYSTEM ON AV-8B AIRCRAFT NSN 1377-01-135-6852 P/N 837AS117	NO HERO REQ.
XW79	H	INITIATOR, MECHANICAL ACTUATED JAU-31/A NSN 1377-01-135-6851 P/N 837AS116	NO HERO REQ.
YW26	V	WING ASSEMBLY, MK 1 MOD 2, F/AIM-9H/L/M AND TRAINERS {SET OF 4}	NO HERO REQ.
YW33	J	ROCKET, GTR-18 {SMOKEY SAM} F/TRAINING NSN 1340-01-130-6282 P/N 1335AS280-A	NO HERO REQ.
YW34	J	LAUNCHER, LMU-23A/E, 23B/E FOR ROCKET GTR-18 NSN 1055-01-317-1027 1335AS850	NO HERO REQ.
1W18	H	EXPLOSIVE SEPARATOR FOR CH-53E EXTERNAL CARGO HANDLING SYSTEM NSN 1377-01-130-2907 P/N 10436-1	SAFE
1W48	L	CONTAINER, GUIDED MISSILE, F/STINGER WEAPON BASIC FIM-92A, STINGER WEAPON RMP FIM-92C, OR FIELD HANDLING TRAINER (FHT)	NO HERO REQ.
1W73	A	RETARDER, INFLATABLE, AIR, BSU-85/B, F/MK 83 BOMBS NSN 1325-01-218-8419 P/N 1634AS100	NO HERO REQ.

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<u>NALC</u>	<u>CLASS</u>	<u>NOMENCLATURE</u>	<u>HERO STATUS</u>
2W05	J	MOTOR CLUSTER, 2.75 IN ROCKET, 7 MK 66 MOD 2 ROCKET MOTORS IN LAU-68D/A LAUNCHER NSN 1340-01-227-1990 P/N 233AS512	SUSCEPTIBLE
2W08	A	KIT, RETROFIT, FOR MK 20 MODS AND CBU-59/B DISPENSER AND BOMB, AIRCRAFT, AWC-283 REV D	NO HERO REQ.
2W41	V	TARGET DETECTING DEVICE, TRAINING, DSU-15(T-1)A/B F/CATM-9L/CATM-9M	NO HERO REQ.
2W89	Y	FLARE, DECOY MJU-8A/B AND 8B/B NSN 1370-01-239-9544 P/N 1758AS100	NO HERO REQ.
2W90	V	DUMMY GUIDED MISSILE, A/E37A-T60, MAVERICK, F/MISSILE LOADING DRILLS	NO HERO REQ.
4W38	Y	DECOY, AIR LAUNCHED, TRAINING, RF VEHICLE, A/B37U-1(V)2, W/WINGS AND FINS NSN 6920-01-260-5131 P/N 43-20000-102	NO HERO REQ.
4W80	V	CONTAINER, SHIPPING/STORAGE, CNU-435/E, F/4 SIDEWINDER (AIM-9M/R) AUR W/WINGS AND FINS	NO HERO REQ.
5W47	B	LANYARD, BREAKAWAY F/LUU-2 AIRCRAFT FLARE	NO HERO REQ.
5W50	A	CONTAINER, SHIPPING AND STORAGE, FIN, CNU-419/E F/BSU-85/B AIR INFLATABLE RETARDER	NO HERO REQ.
6W01	A	ARMING WIRE COMPOSITE, F/MK 83 G.P. BOMBS, C/O MK 9 MOMD 0 ARMING WIRE ASSY, 1 SAFETY CLIP, 1 RING, AND SWIVEL AND 1 FERRULE	NO HERO REQ.
7W35	V	WING ASSEMBLY BSU-59/B AND FIN ASSEMBLY BSU-60/B, FOR HARM- AGM-88A, ATM-88A, CATM-88A, DATM-88A	NO HERO REQ.
7W79	B	TIMER GUARD ASSEMBLY F/FLARE LUU-2B/B NSN 1370-01-175-9384 P/N 1583AS104	NO HERO REQ.
7W90	V	CONTAINER, SHIPPING AND STORAGE, CNU-355/E, F/2 AGM-88A MSLS	NO HERO REQ.

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